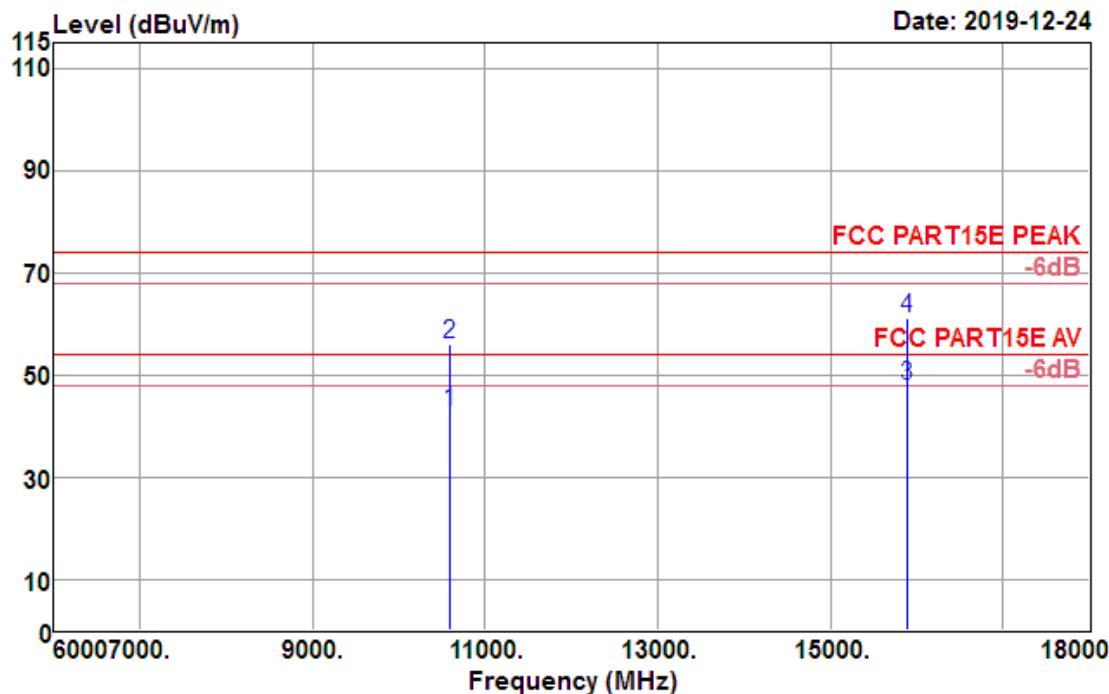


Data: 63

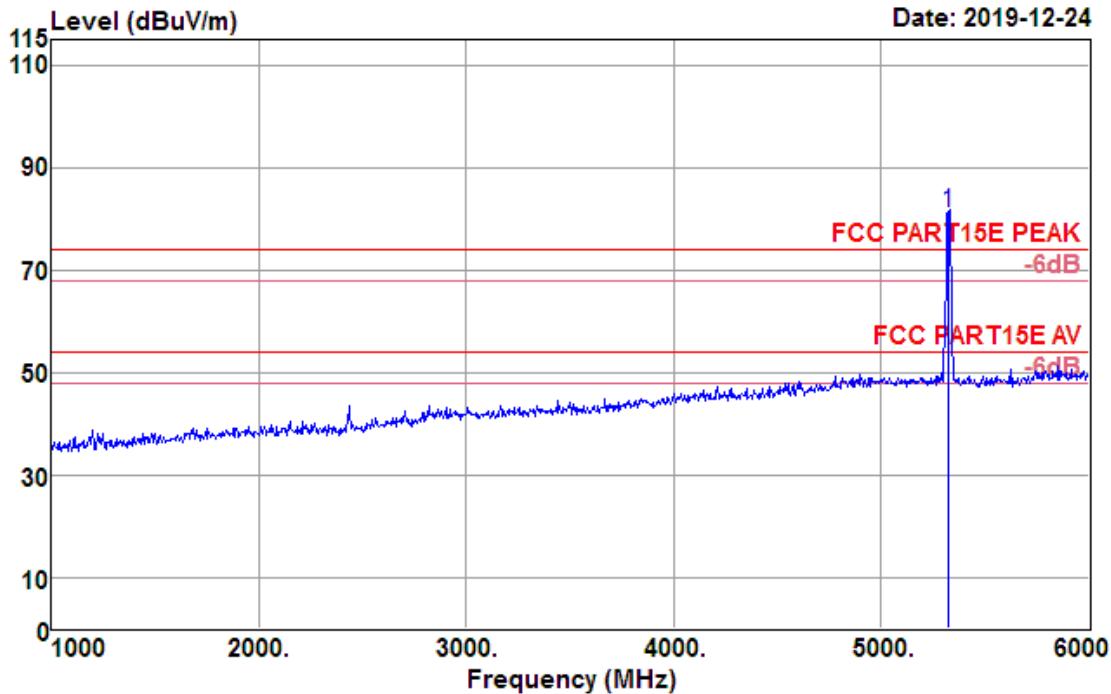


Freq MHz	Reading level dB <sub>B</sub> V	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Level dB <sub>B</sub> V/m	Limit level dB <sub>B</sub> V/m	Over limit dB	Remark
10600.000	26.05	39.58	12.22	35.08	42.77	54.00	-11.23	Average
10600.000	39.12	39.58	12.22	35.08	55.84	74.00	-18.16	Peak
15900.000	25.82	37.91	15.96	31.74	47.95	54.00	-6.05	Average
15900.000	38.90	37.91	15.96	31.74	61.03	74.00	-12.97	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

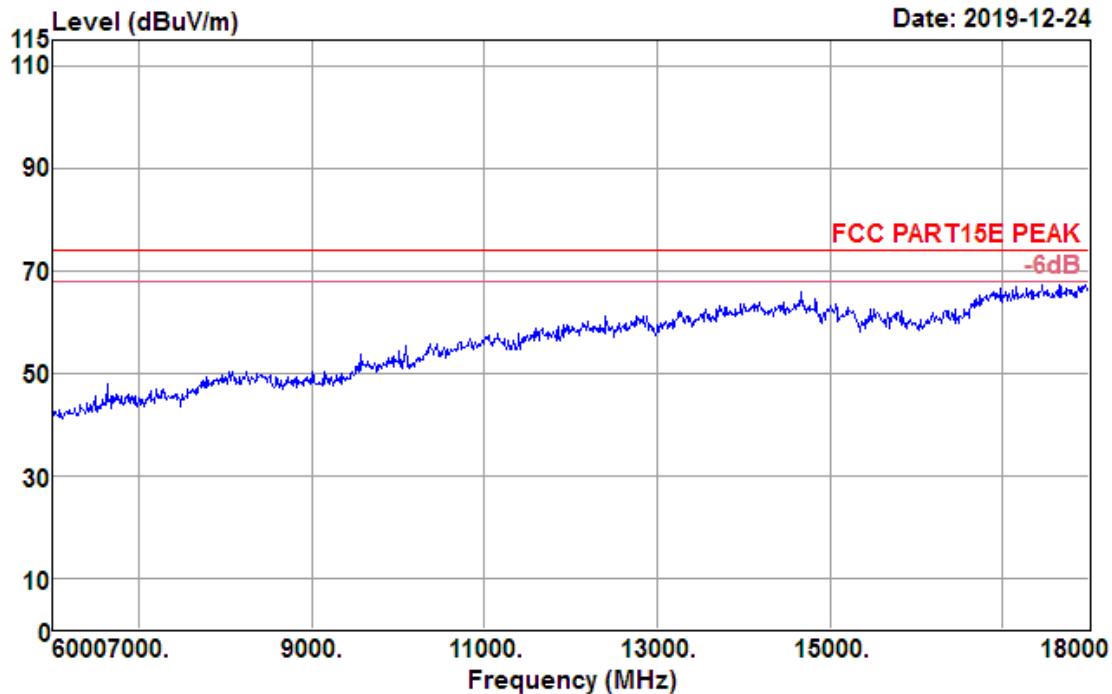
<b>Test Mode :</b>	802.11 n HT20 CH64 5320MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Horizontal

Data: 47

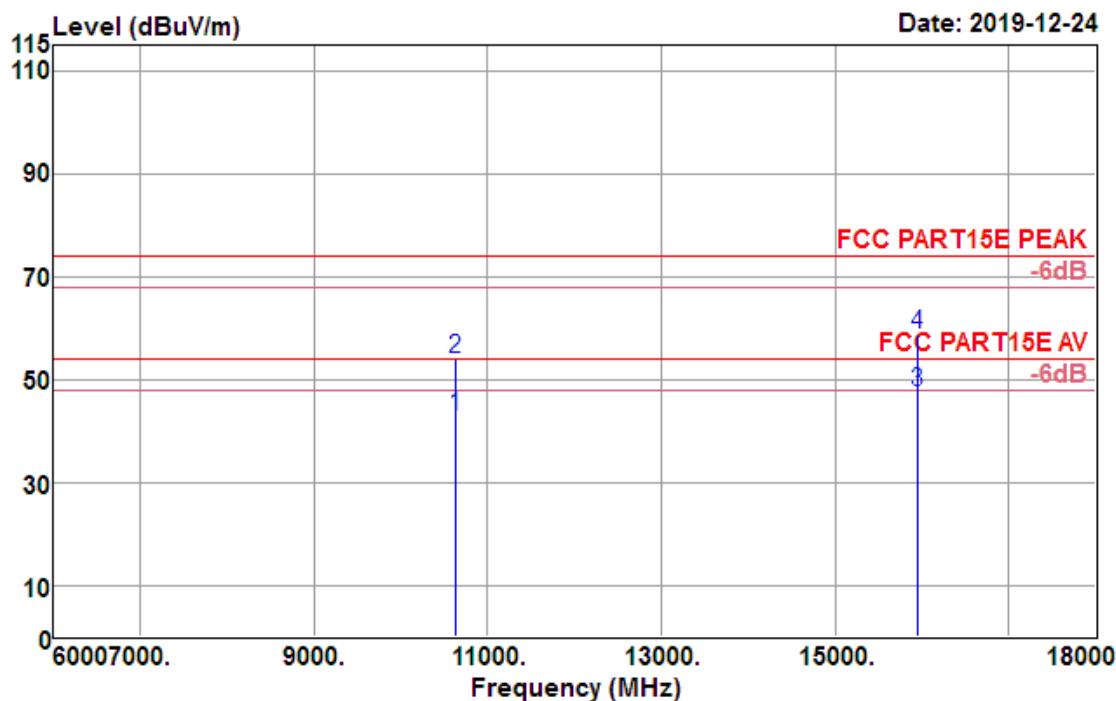


Freq MHz	Reading dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Level dBuV/m	Limit dBuV/m	Over limit dB	Remark
5320.000	78.51	31.96	5.71	35.24	80.94	74.00	6.94	Peak

<b>Test Mode :</b>	802.11 n HT20 CH64 5320MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Horizontal

**Data: 51**

Data: 52

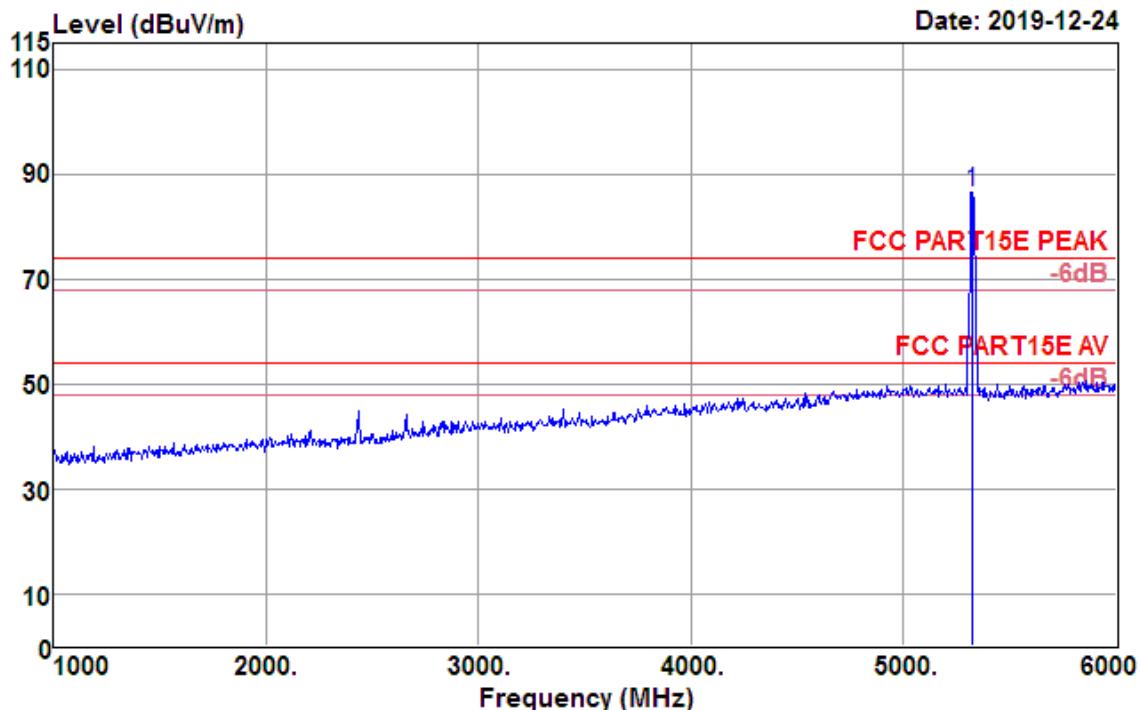


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Preamp level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
10640.000	25.85	39.65	12.26	34.99	42.77	54.00	-11.23	Average
10640.000	37.08	39.65	12.26	34.99	54.00	74.00	-20.00	Peak
15960.000	25.76	37.72	15.90	31.72	47.66	54.00	-6.34	Average
15960.000	36.88	37.72	15.90	31.72	58.78	74.00	-15.22	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

<b>Test Mode :</b>	802.11 n HT20 CH64 5320MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Vertical

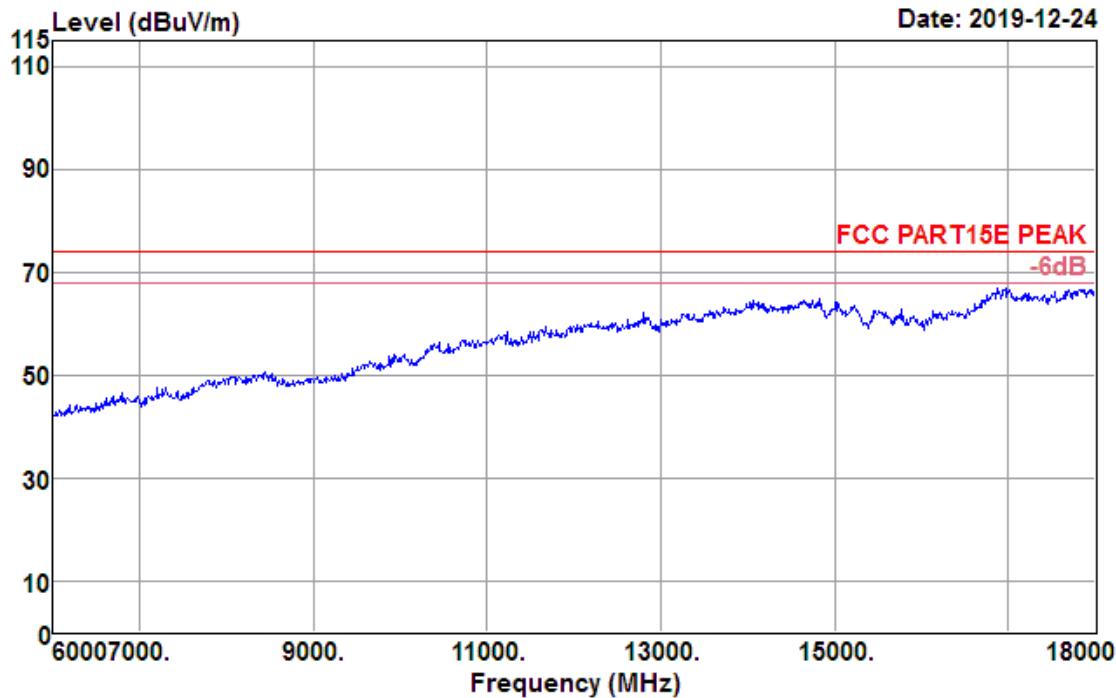
Data: 50



Freq MHz	Reading dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5320.000	84.03	31.96	5.71	35.24	86.46	74.00	12.46	Peak

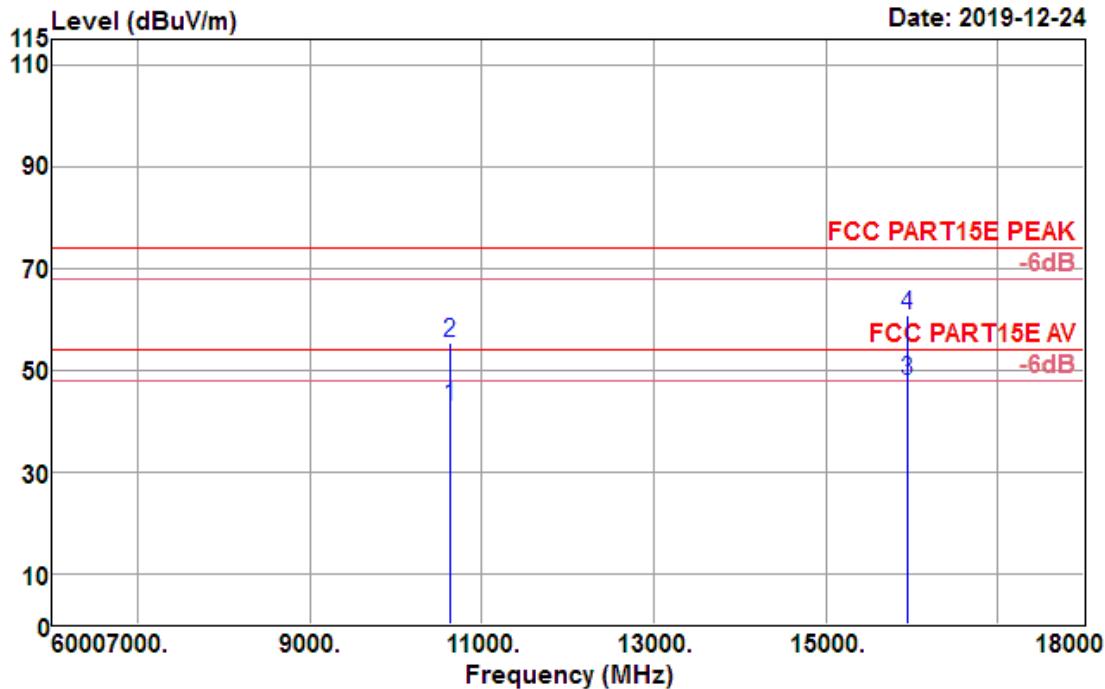
<b>Test Mode :</b>	802.11 n HT20 CH64 5320MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Vertical

Data: 53



Data: 54

Date: 2019-12-24

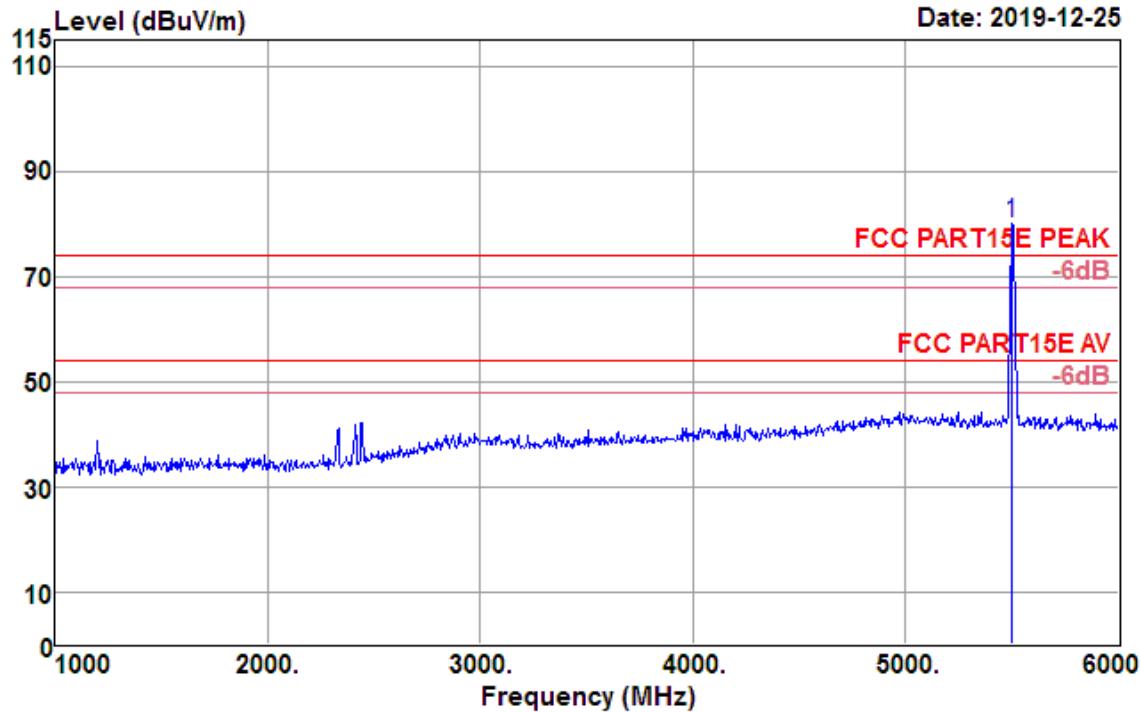


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
10640.000	25.91	39.65	12.26	34.99	42.83	54.00	-11.17	Average
10640.000	38.23	39.65	12.26	34.99	55.15	74.00	-18.85	Peak
15960.000	25.92	37.72	15.90	31.72	47.82	54.00	-6.18	Average
15960.000	38.70	37.72	15.90	31.72	60.60	74.00	-13.40	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

<b>Test Mode :</b>	802.11 n HT20 CH100 5500MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Horizontal

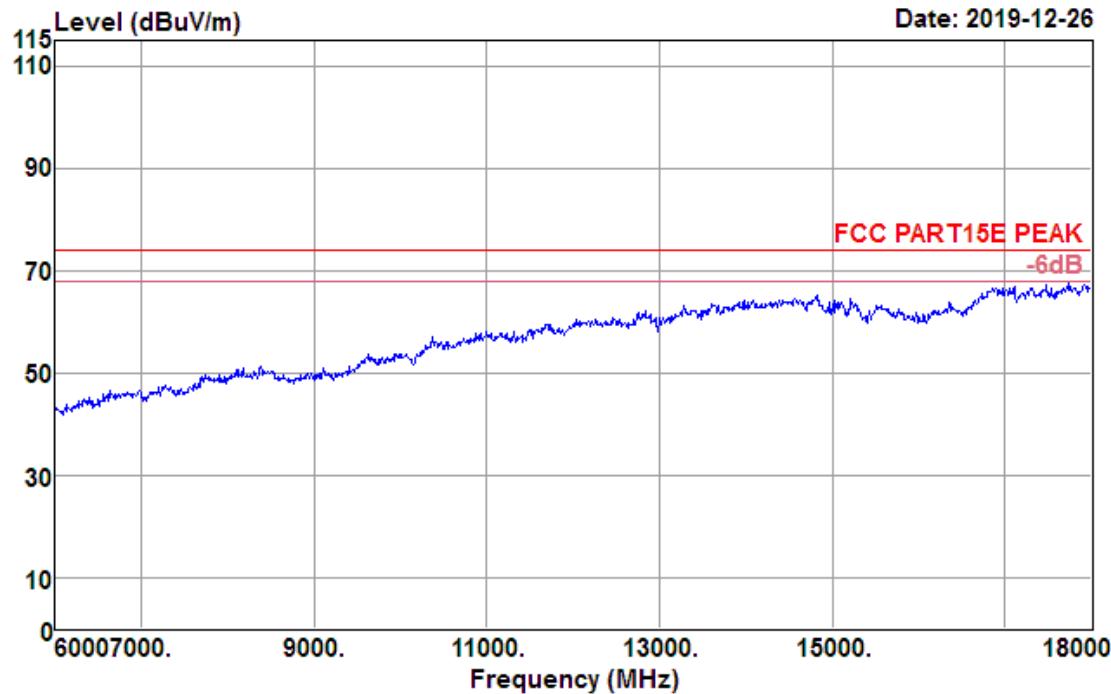
Data: 101



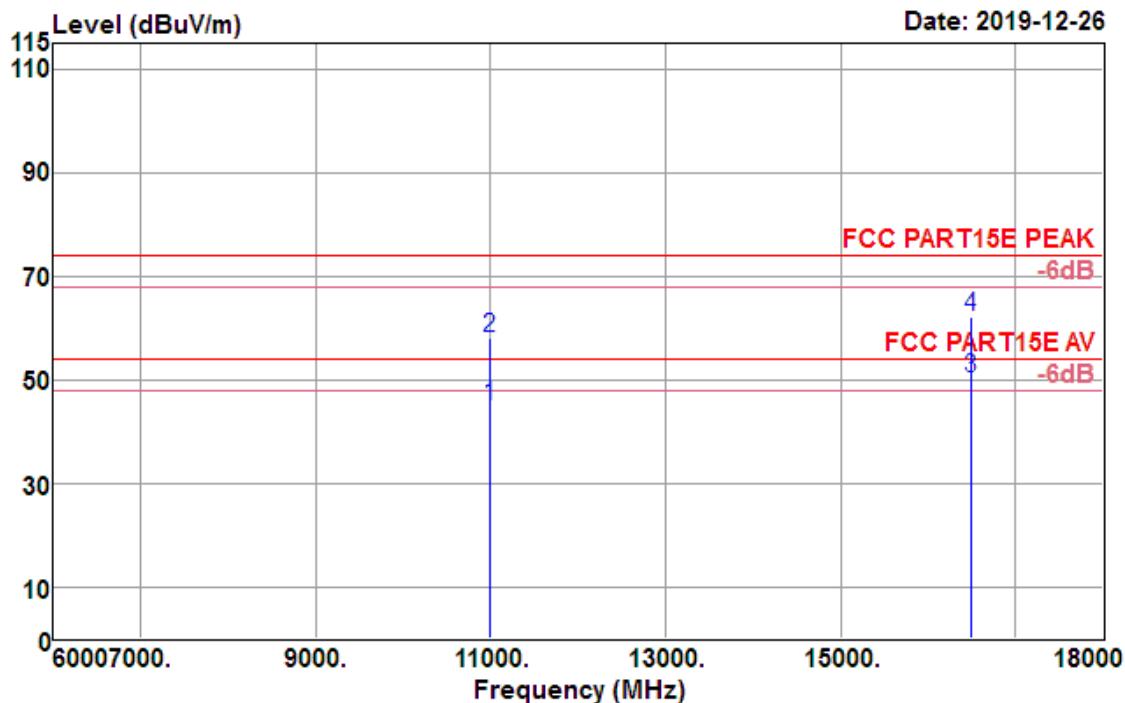
Freq MHz	Reading dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Limit level dBuV/m	Over limit dB	Remark
5500.000	77.70	32.10	5.83	35.55	80.08	74.00	6.08 Peak

<b>Test Mode :</b>	802.11 n HT20 CH100 5500MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Horizontal

Data: 105



Data: 106

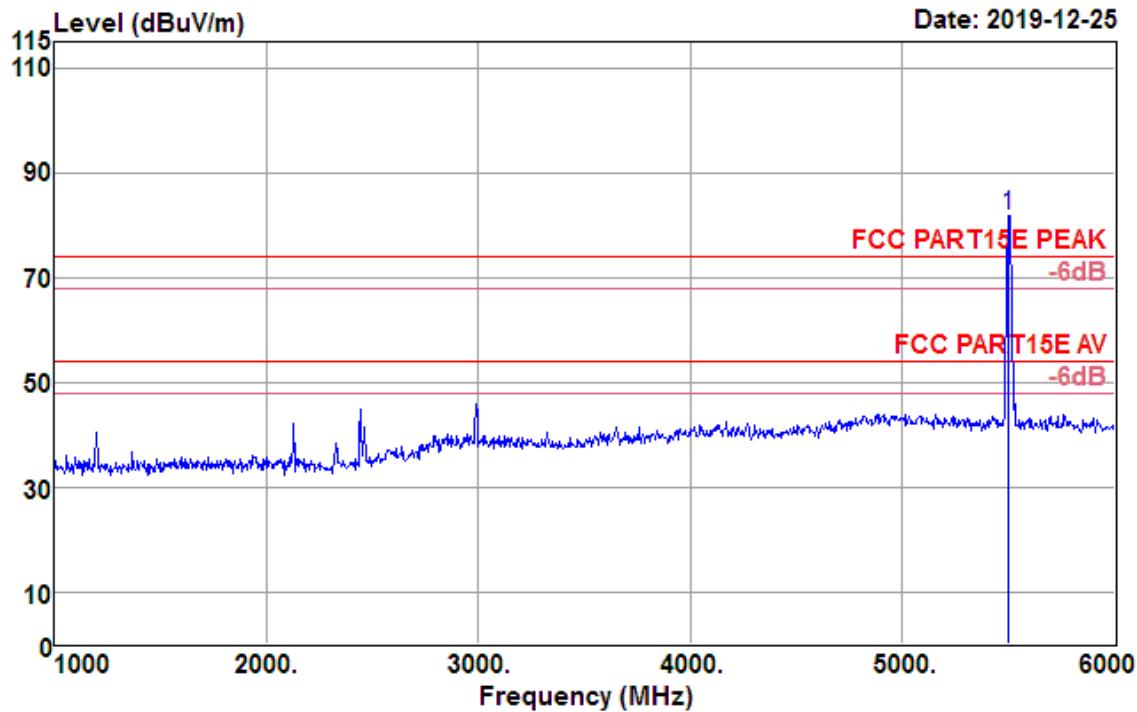


Freq MHz	Reading dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Level dBuV/m	Limit dBuV/m	Over limit dB	Remark
11000.000	26.13	40.30	12.68	34.20	44.91	54.00	-9.09	Average
11000.000	39.20	40.30	12.68	34.20	57.98	74.00	-16.02	Peak
16500.000	26.38	39.55	15.61	31.45	50.09	54.00	-3.91	Average
16500.000	38.27	39.55	15.61	31.45	61.98	74.00	-12.02	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

<b>Test Mode :</b>	802.11 n HT20 CH100 5500MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Vertical

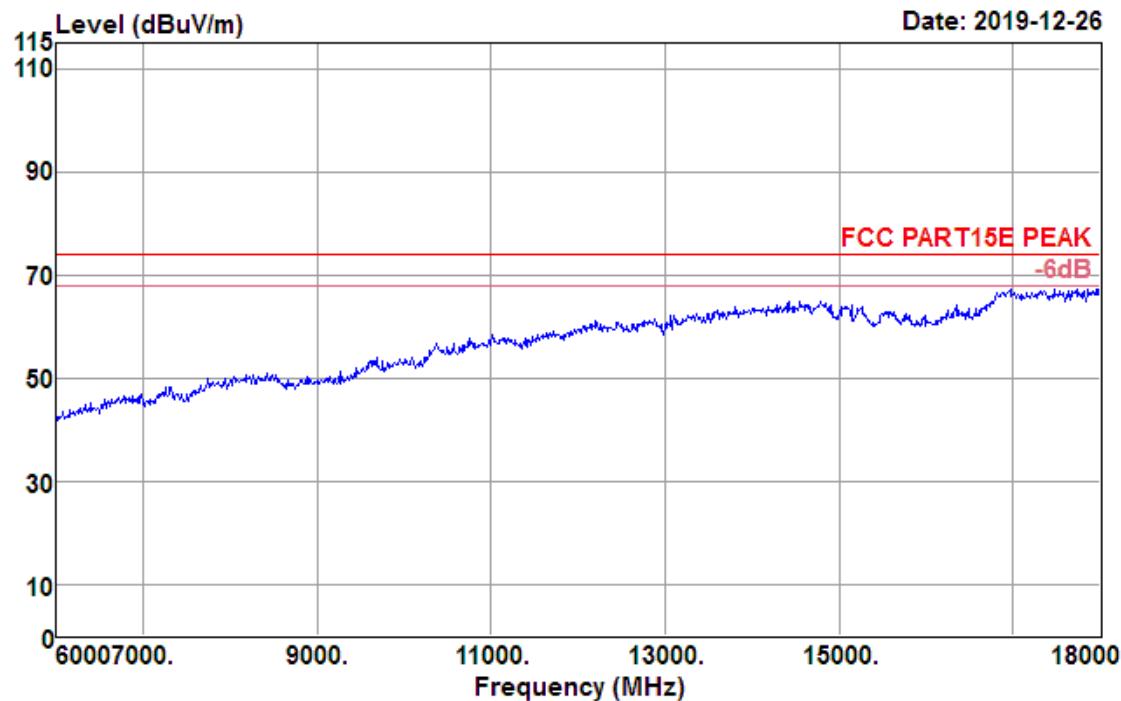
Data: 104



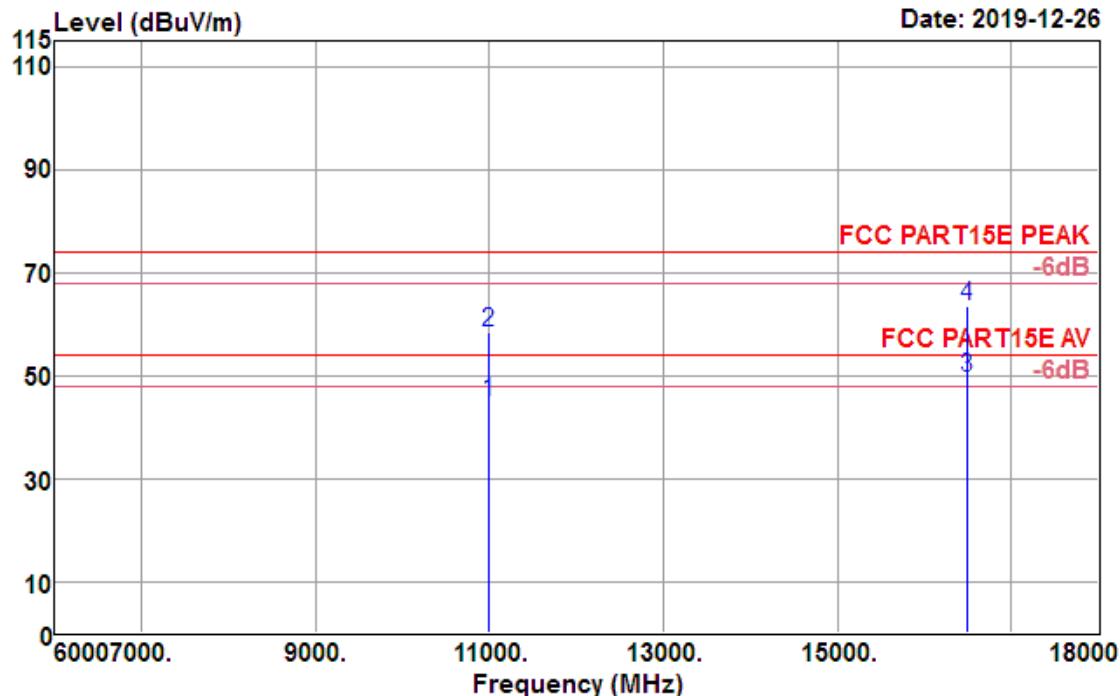
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Preamp level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5500.000	79.22	32.10	5.83	35.55	81.60	74.00	7.60	Peak

<b>Test Mode :</b>	802.11 n HT20 CH100 5500MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Vertical

Data: 107



Data: 108

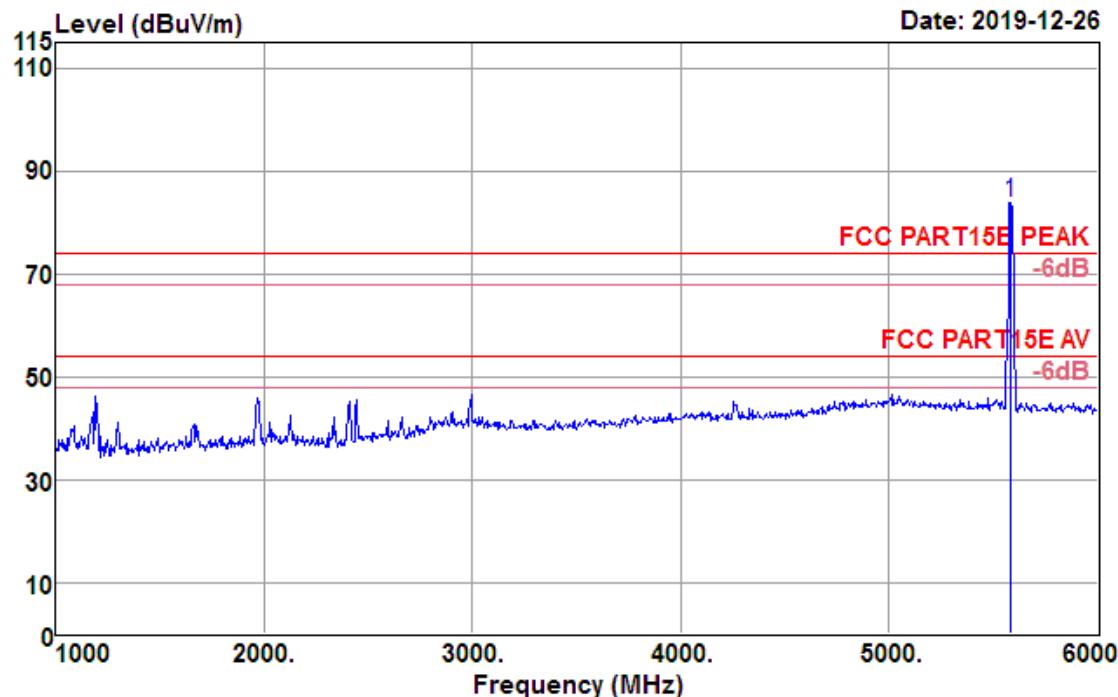


Freq MHz	Reading dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
11000.000	25.96	40.30	12.68	34.20	44.74	54.00	-9.26	Average
11000.000	39.47	40.30	12.68	34.20	58.25	74.00	-15.75	Peak
16500.000	25.86	39.55	15.61	31.45	49.57	54.00	-4.43	Average
16500.000	39.72	39.55	15.61	31.45	63.43	74.00	-10.57	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

<b>Test Mode :</b>	802.11 n HT20 CH116 5580MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Horizontal

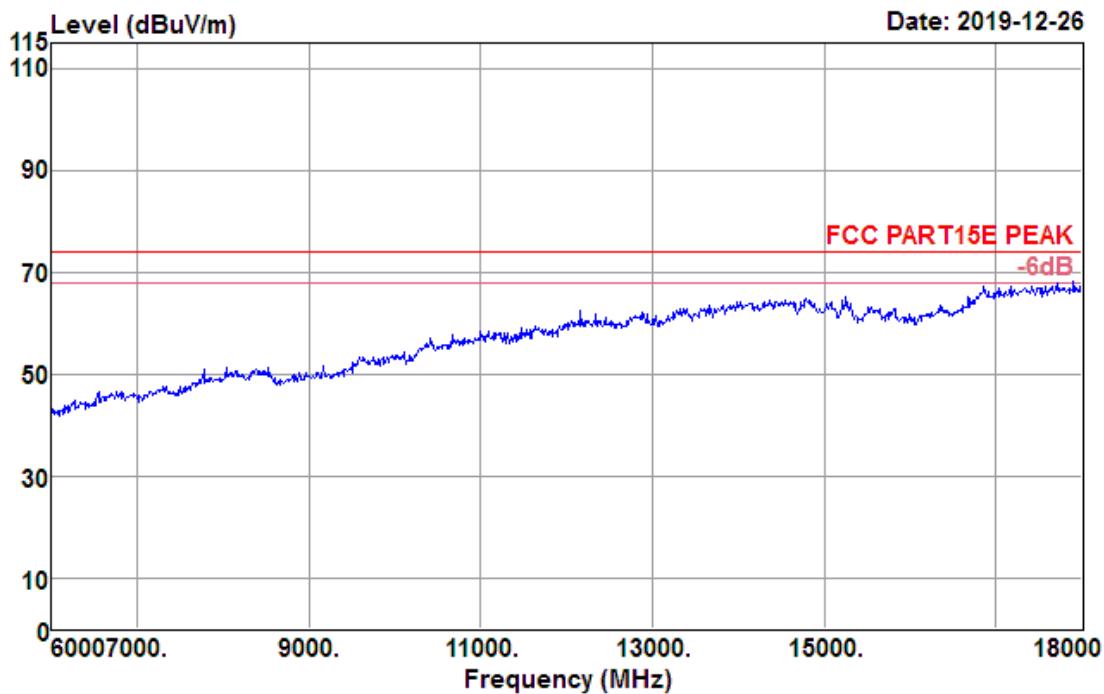
Data: 119



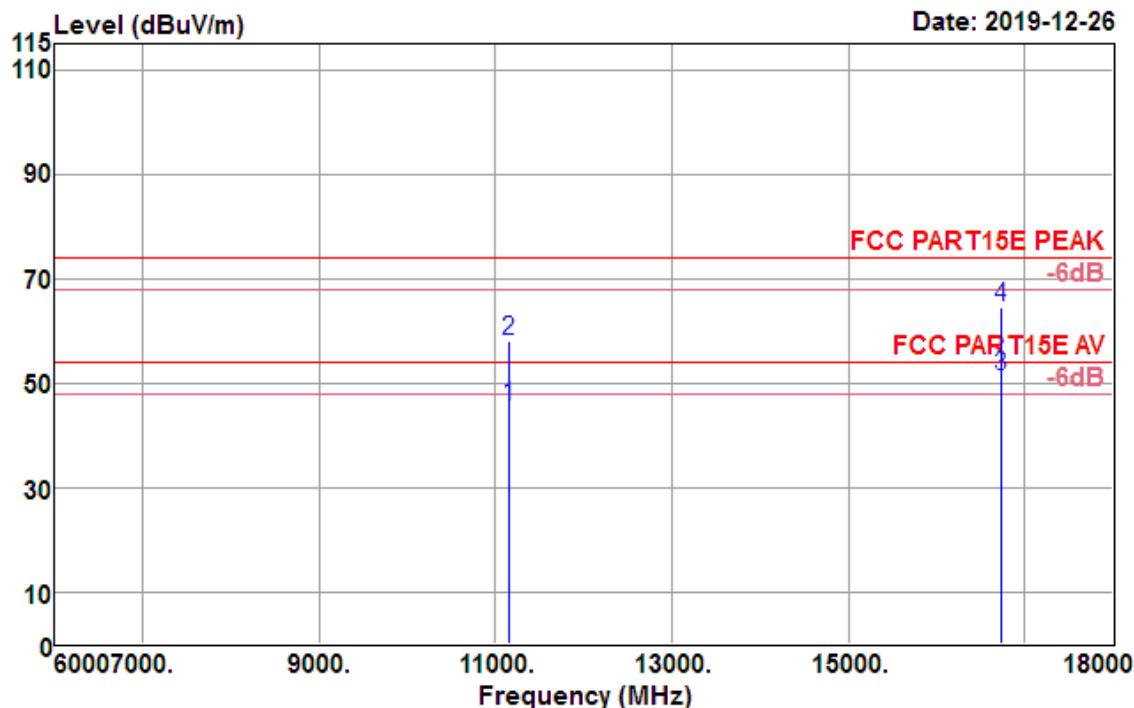
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5580.000	81.45	32.16	5.92	35.69	83.84	74.00	9.84	Peak

<b>Test Mode :</b>	802.11 n HT20 CH116 5580MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Horizontal

Data: 123



Data: 124

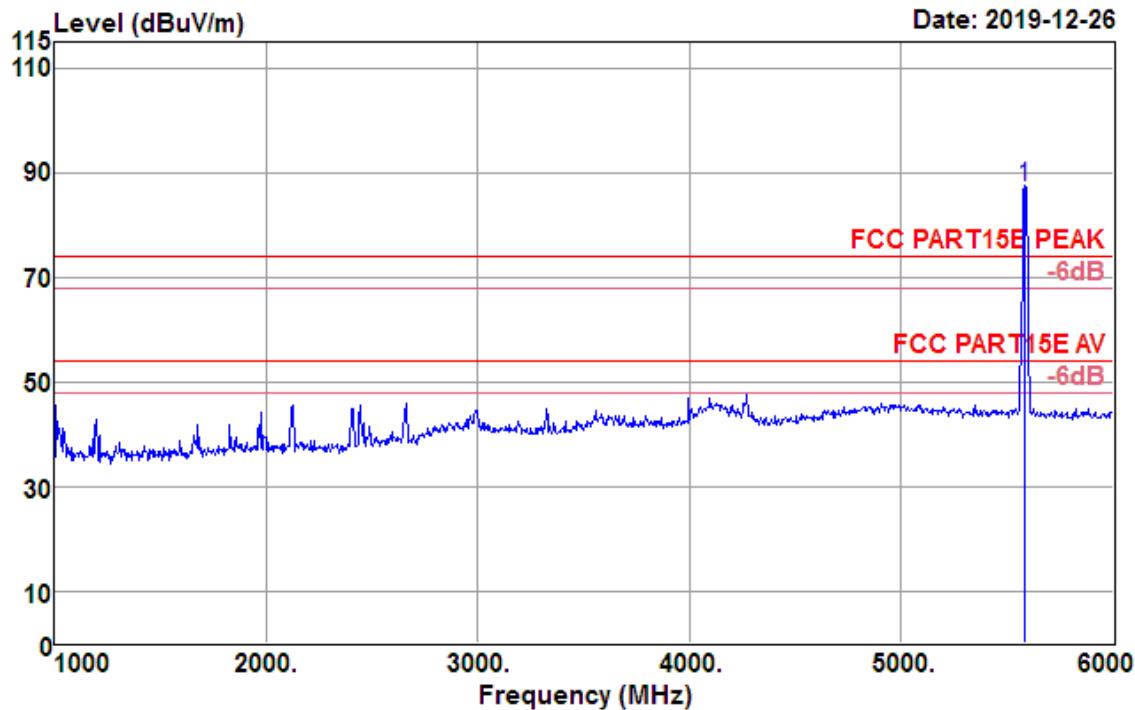


Freq MHz	Reading dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
11160.000	26.58	40.17	12.90	34.06	45.59	54.00	-8.41	Average
11160.000	39.08	40.17	12.90	34.06	58.09	74.00	-15.91	Peak
16740.000	24.82	40.49	17.34	31.33	51.32	54.00	-2.68	Average
16740.000	37.89	40.49	17.34	31.33	64.39	74.00	-9.61	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

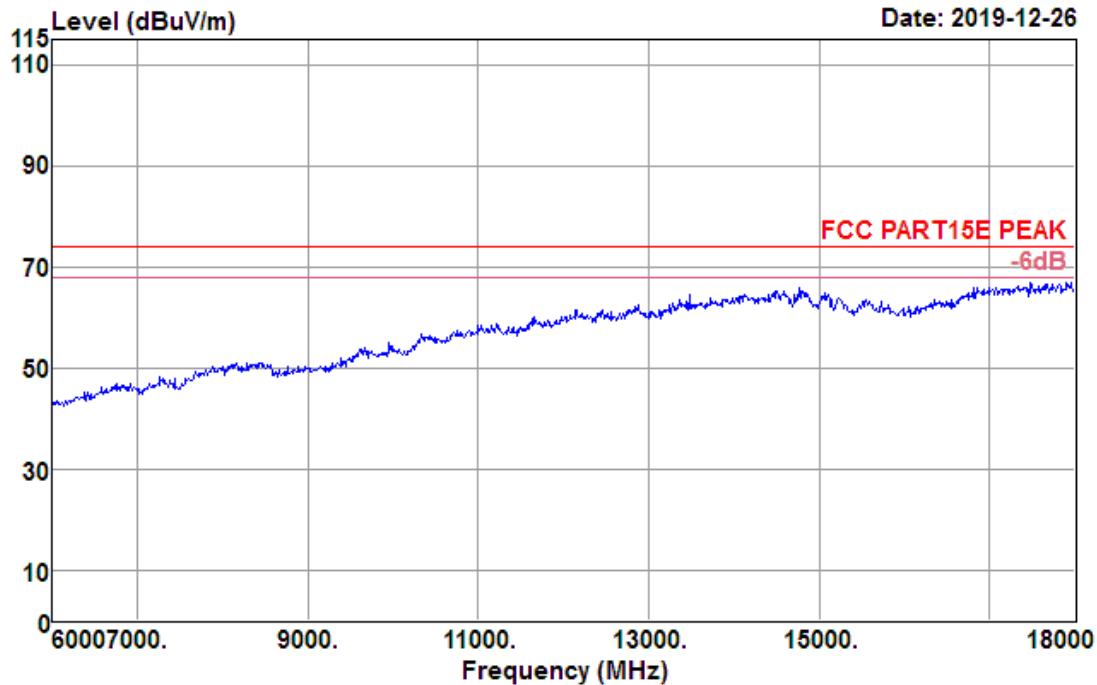
<b>Test Mode :</b>	802.11 n HT20 CH116 5580MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Vertical

Data: 120

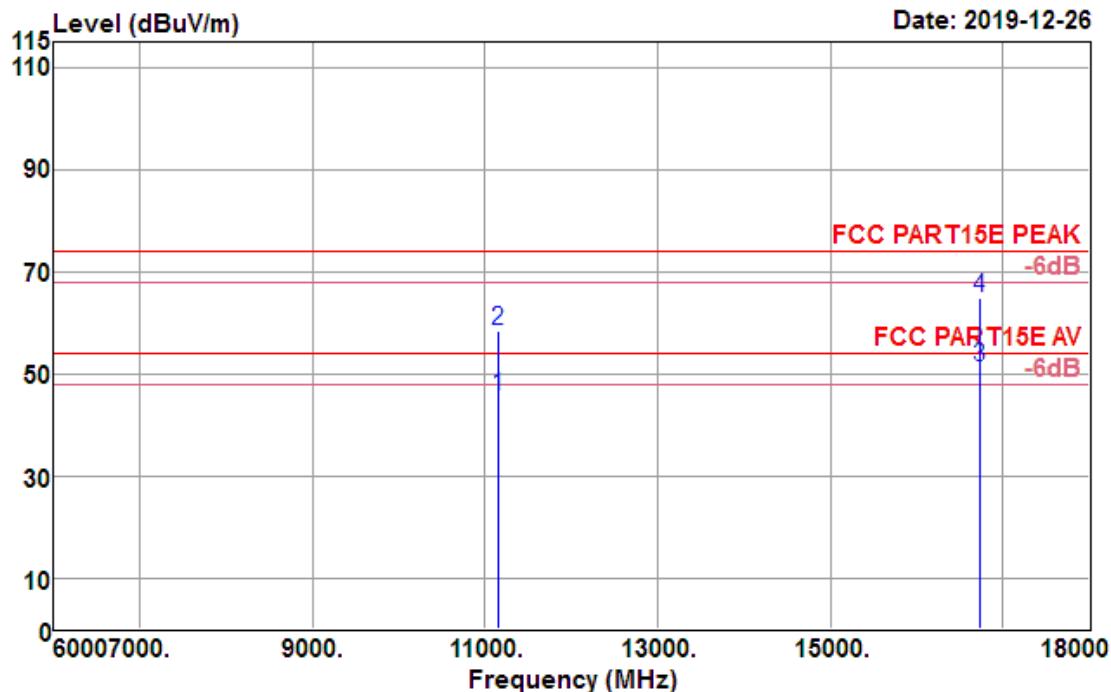


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Preamp level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5580.000	84.75	32.16	5.92	35.69	87.14	74.00	13.14	Peak

<b>Test Mode :</b>	802.11 n HT20 CH116 5580MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Vertical

**Data: 121**

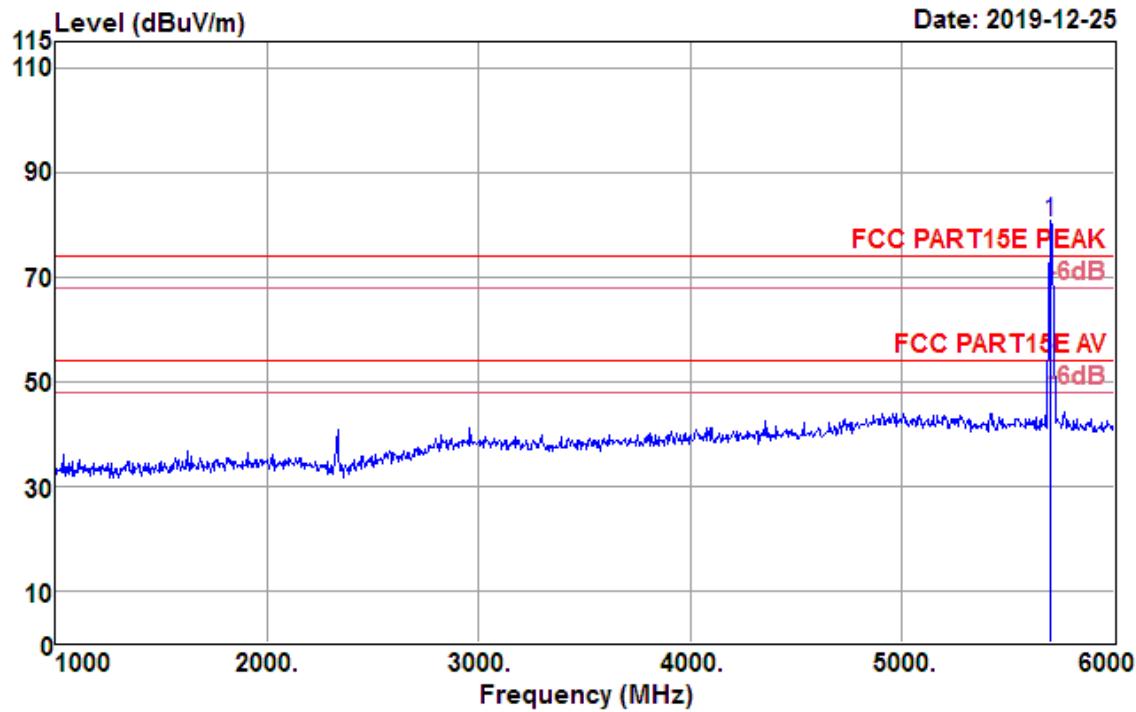
Data: 122



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

<b>Test Mode :</b>	802.11 n HT20 CH140 5700MHz	<b>Temperature :</b>	21~23℃
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Horizontal

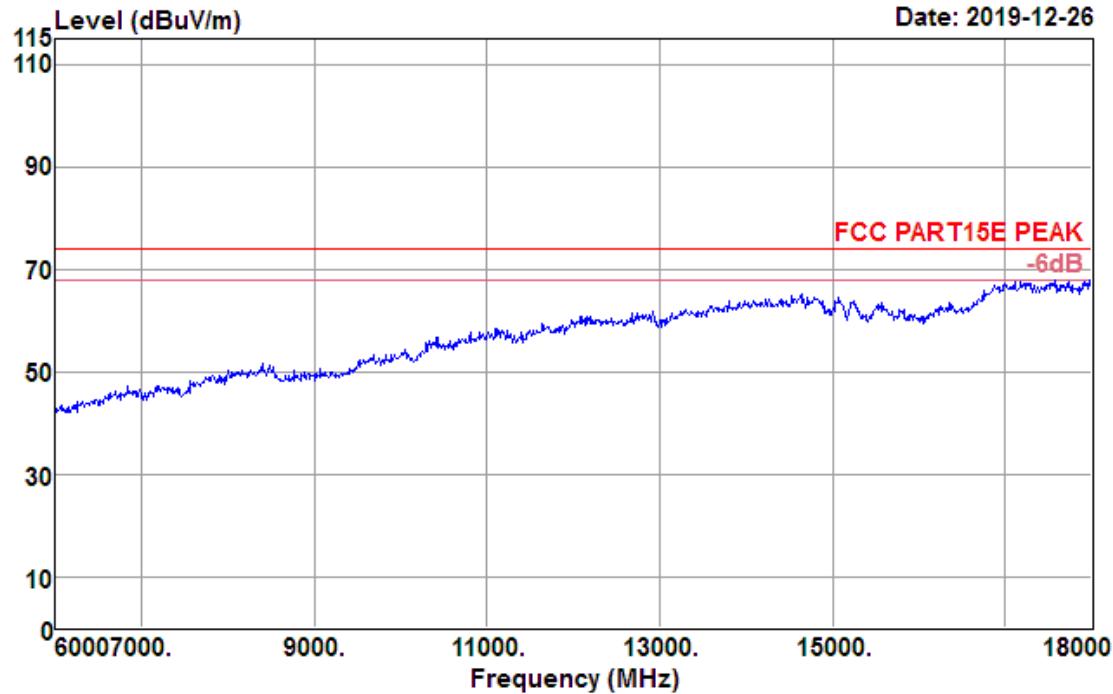
Data: 114



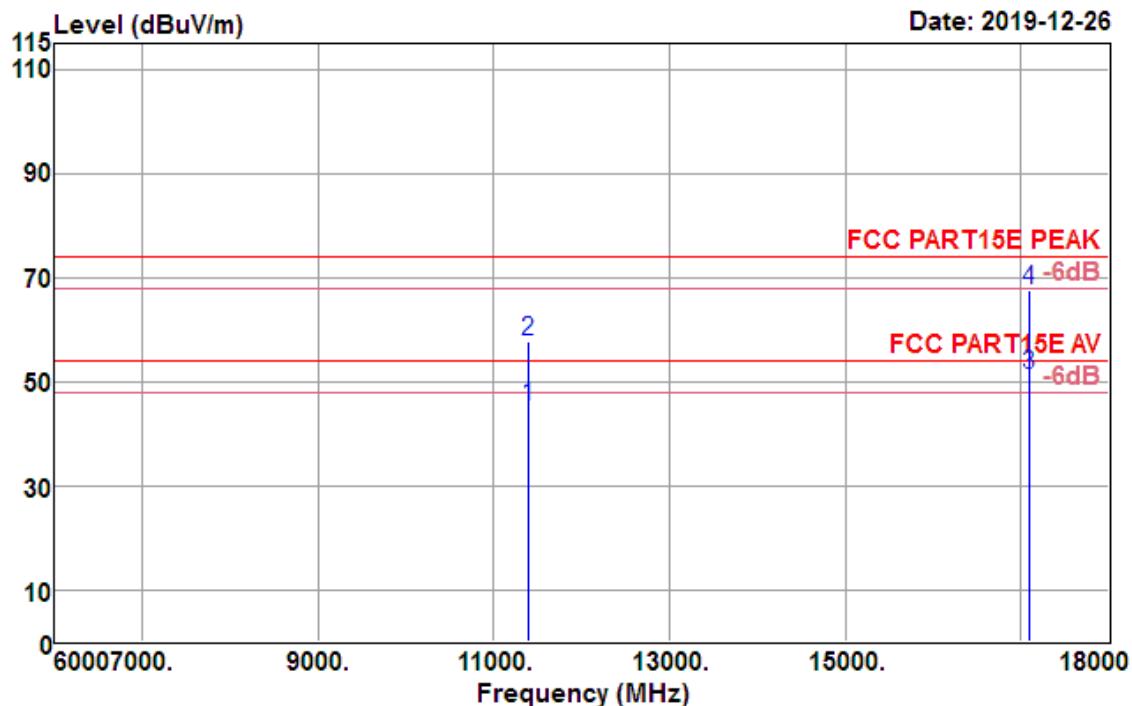
Freq MHz	Reading dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Preamp level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5700.000	77.98	32.26	6.02	35.89	80.37	74.00	6.37	Peak

<b>Test Mode :</b>	802.11 n HT20 CH140 5700MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Horizontal

Data: 117



Data: 118

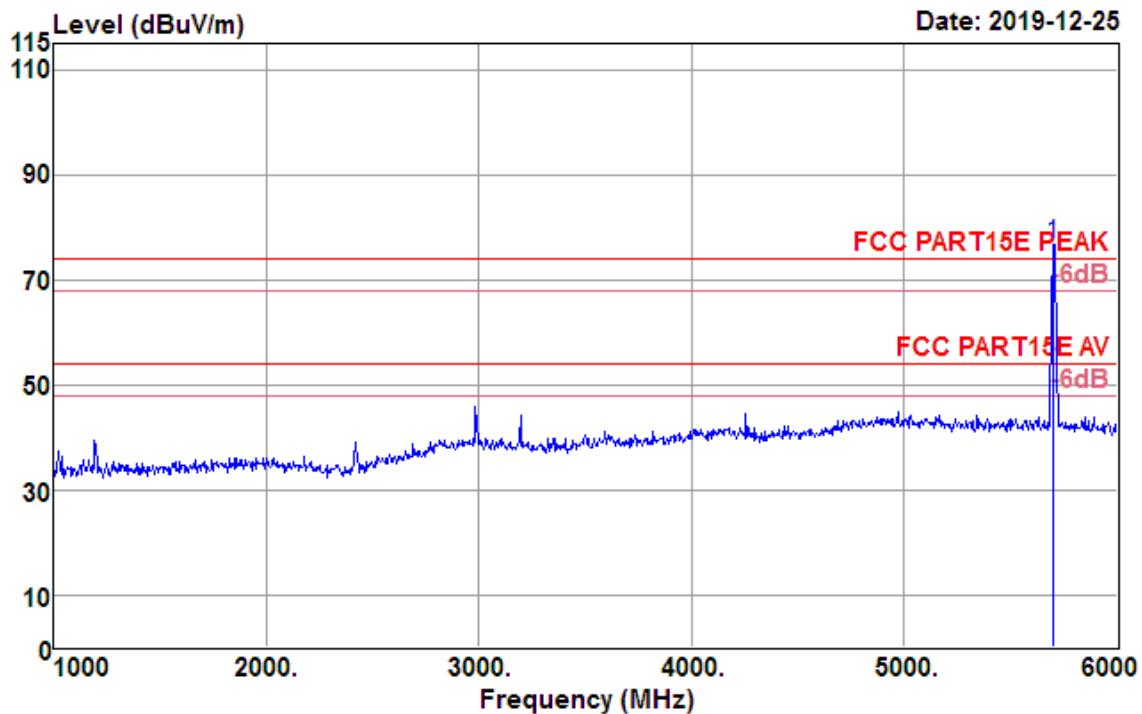


Freq MHz	Reading dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Level dBuV/m	Limit dBuV/m	Over limit dB	Remark
11400.000	25.69	39.98	13.22	33.84	45.05	54.00	-8.95	Average
11400.000	38.47	39.98	13.22	33.84	57.83	74.00	-16.17	Peak
17100.000	21.51	42.21	18.59	31.14	51.17	54.00	-2.83	Average
17100.000	37.86	42.21	18.59	31.14	67.52	74.00	-6.48	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

<b>Test Mode :</b>	802.11 n HT20 CH140 5700MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Vertical

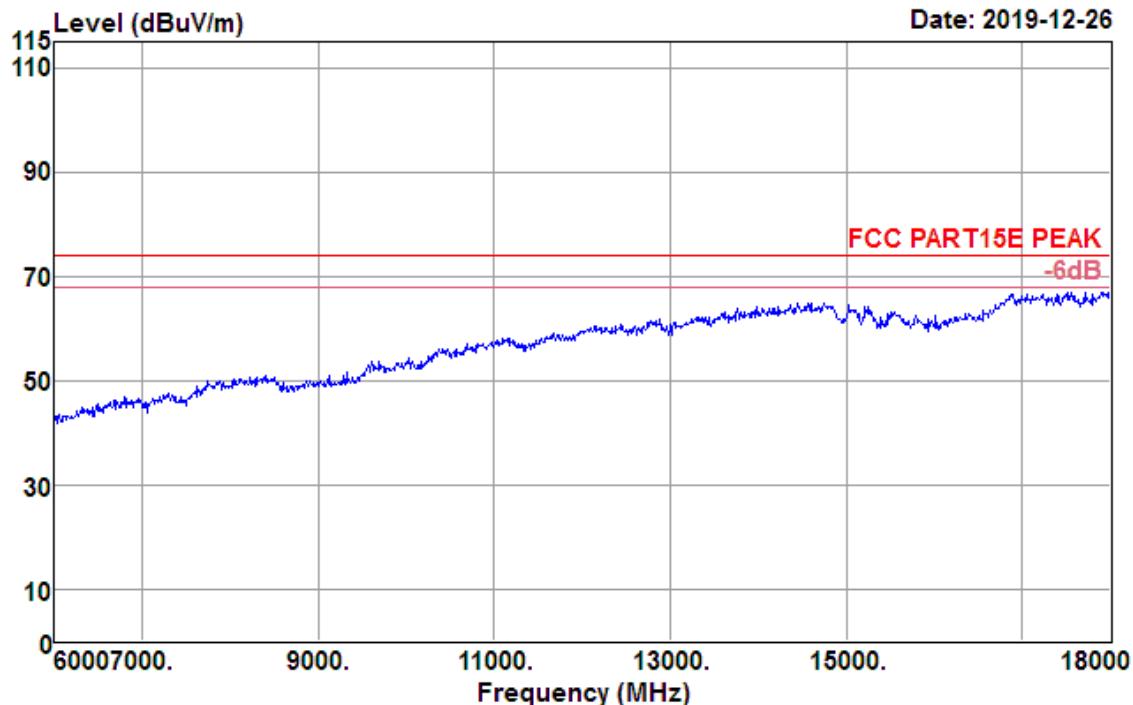
Data: 111



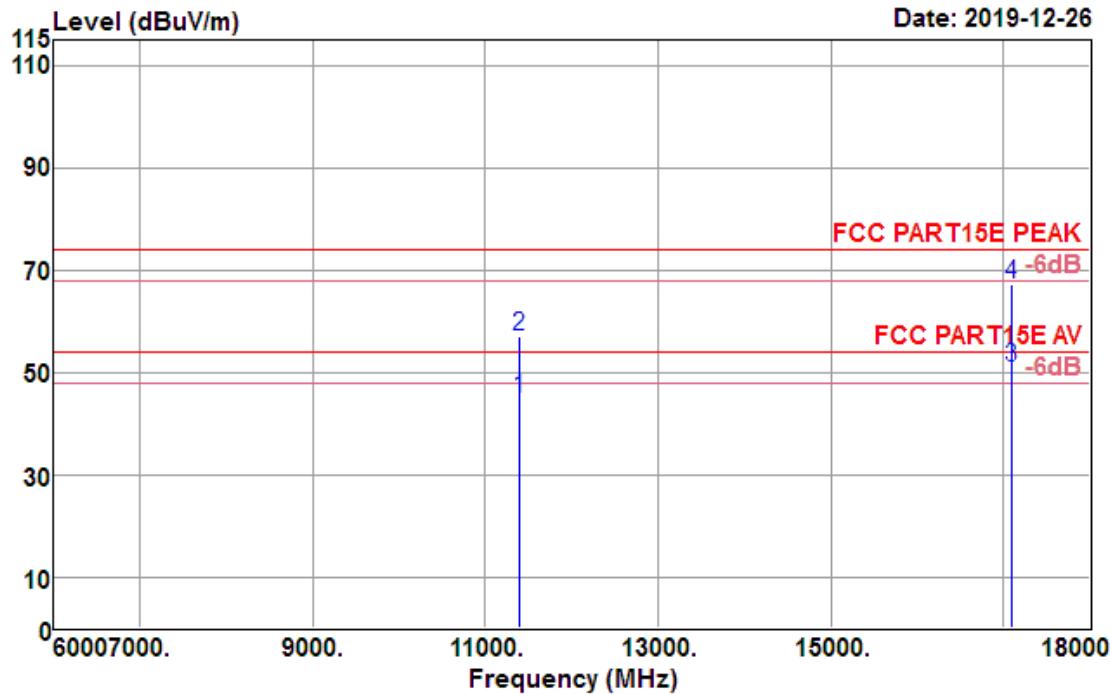
Freq MHz	Reading dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Preamp level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5700.000	74.19	32.26	6.02	35.89	76.58	74.00	2.58	Peak

<b>Test Mode :</b>	802.11 n HT20 CH140 5700MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Vertical

Data: 115



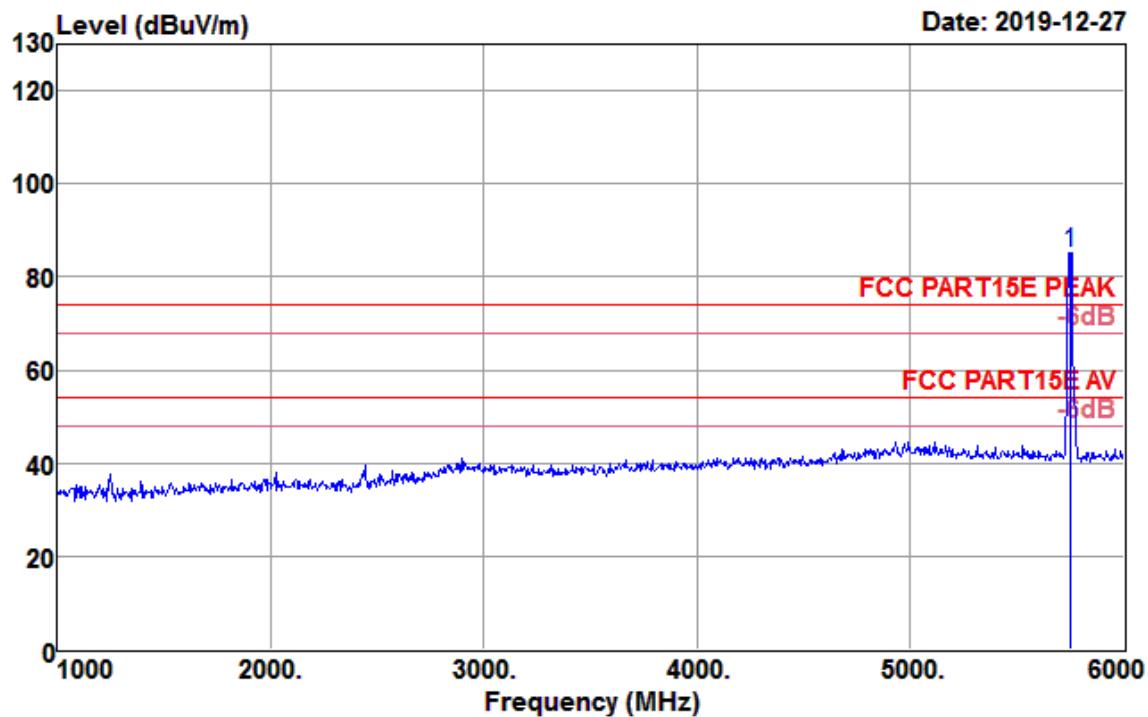
Data: 116



Freq MHz	Reading dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
11400.000	25.50	39.98	13.22	33.84	44.86	54.00	-9.14	Average
11400.000	37.70	39.98	13.22	33.84	57.06	74.00	-16.94	Peak
17100.000	21.25	42.21	18.59	31.14	50.91	54.00	-3.09	Average
17100.000	37.43	42.21	18.59	31.14	67.09	74.00	-6.91	Peak

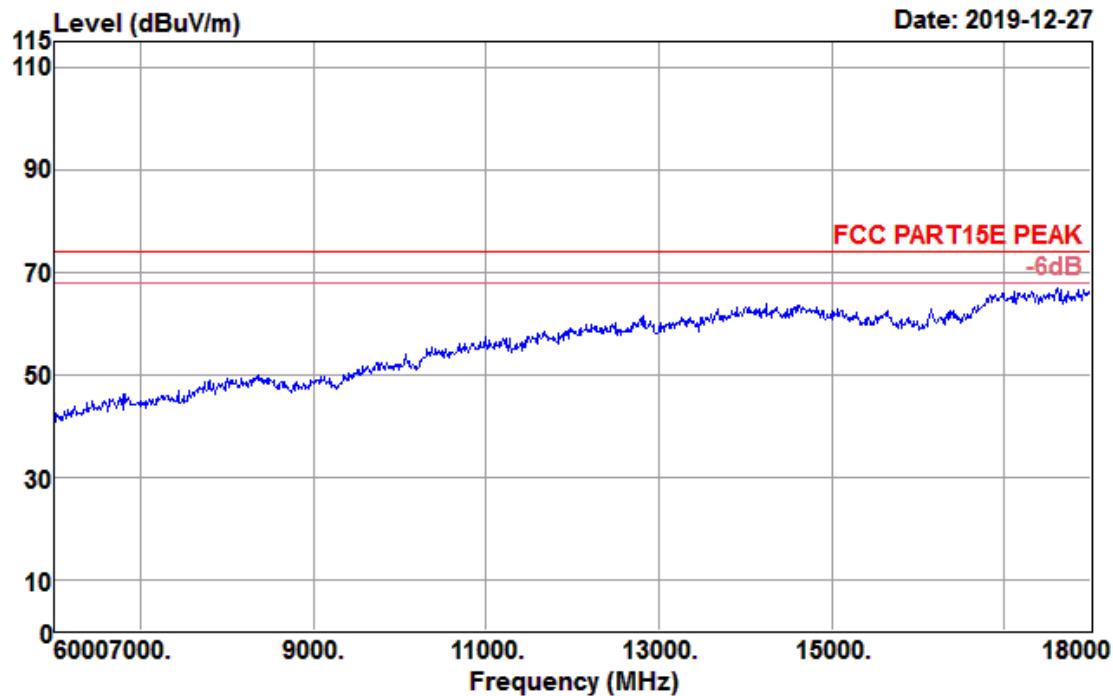
Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

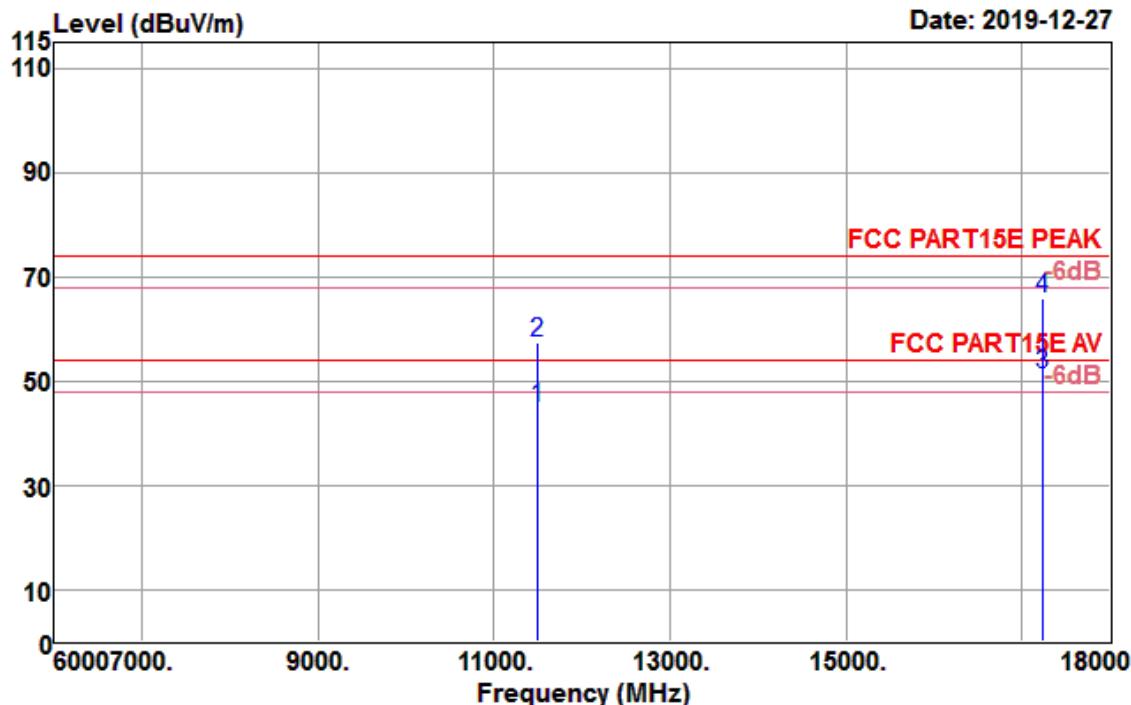
<b>Test Mode :</b>	802.11 n HT20 CH149 5745MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Horizontal

**Data: 36**


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5745.000	82.80	32.30	6.06	35.97	85.19	74.00	11.19	Peak

<b>Test Mode :</b>	802.11 n HT20 CH149 5745MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Horizontal

**Data: 29**

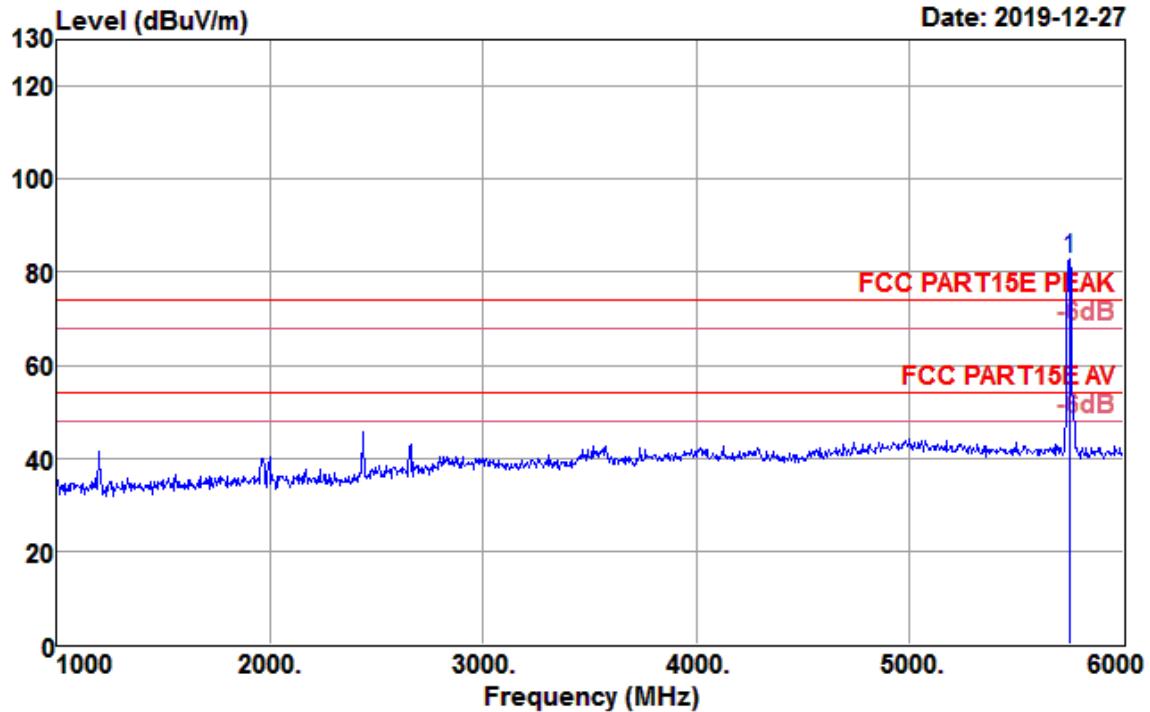
**Data: 30**

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
11490.000	25.25	39.91	13.35	33.76	44.75	54.00	-9.25	Average
11490.000	37.86	39.91	13.35	33.76	57.36	74.00	-16.64	Peak
17235.000	21.45	43.17	17.74	31.06	51.30	54.00	-2.70	Average
17235.000	36.13	43.17	17.74	31.06	65.98	74.00	-8.02	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

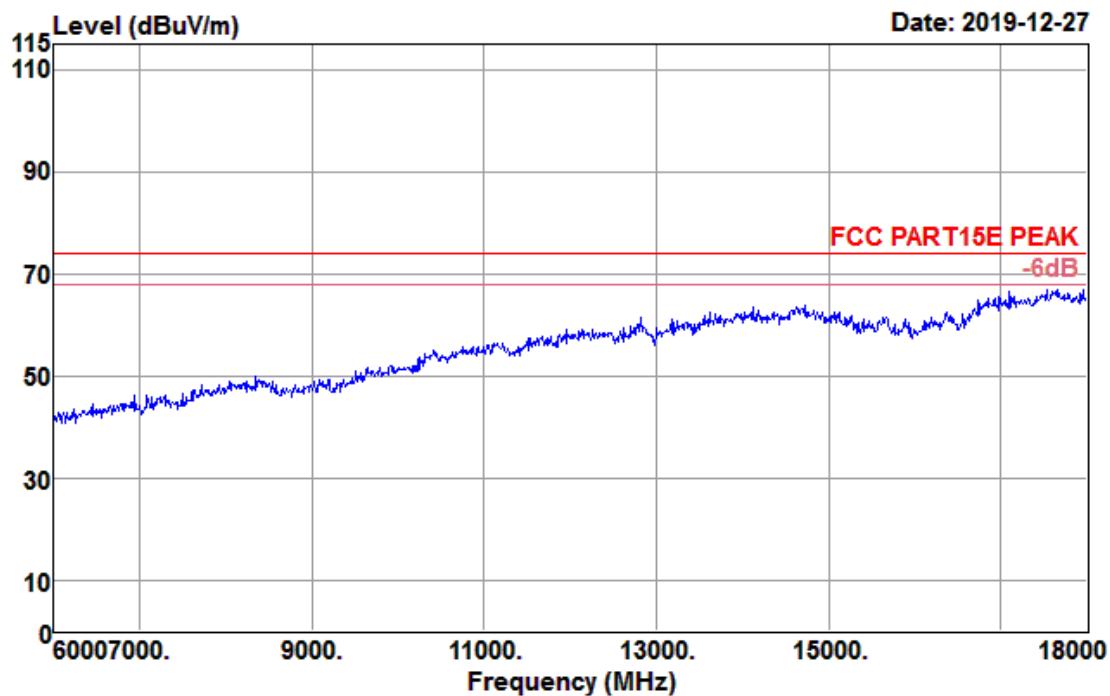
<b>Test Mode :</b>	802.11 n HT20 CH149 5745MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Vertical

Data: 33

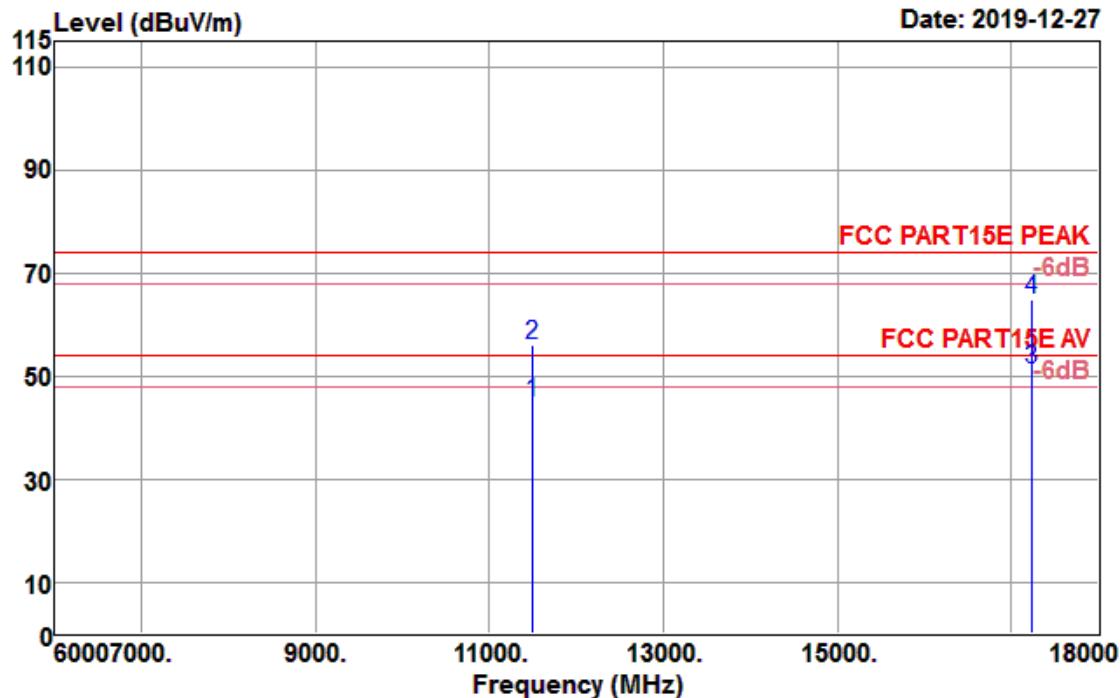


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Preamp level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5745.000	80.40	32.30	6.06	35.97	82.79	74.00	8.79	Peak

<b>Test Mode :</b>	802.11 n HT20 CH149 5745MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Vertical

**Data: 27**

Data: 28

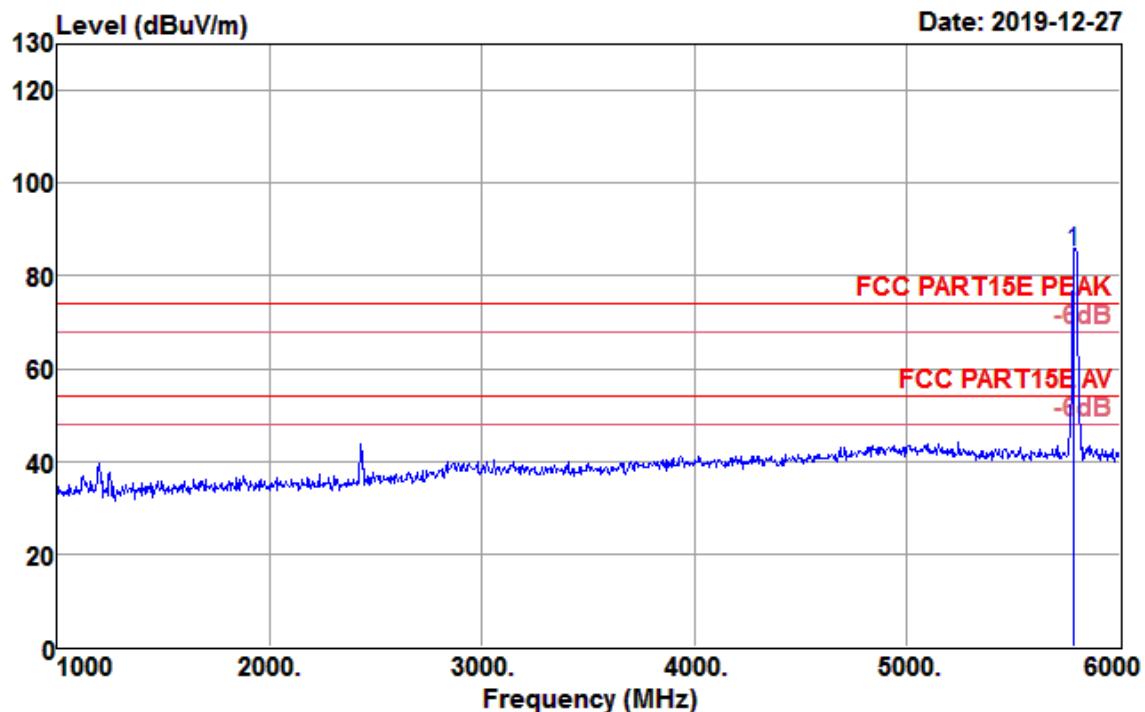


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
11490.000	25.35	39.91	13.35	33.76	44.85	54.00	-9.15	Average
11490.000	36.61	39.91	13.35	33.76	56.11	74.00	-17.89	Peak
17235.000	21.55	43.17	17.74	31.06	51.40	54.00	-2.60	Average
17235.000	34.97	43.17	17.74	31.06	64.82	74.00	-9.18	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

<b>Test Mode :</b>	802.11 n HT20 CH157 5785MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Horizontal

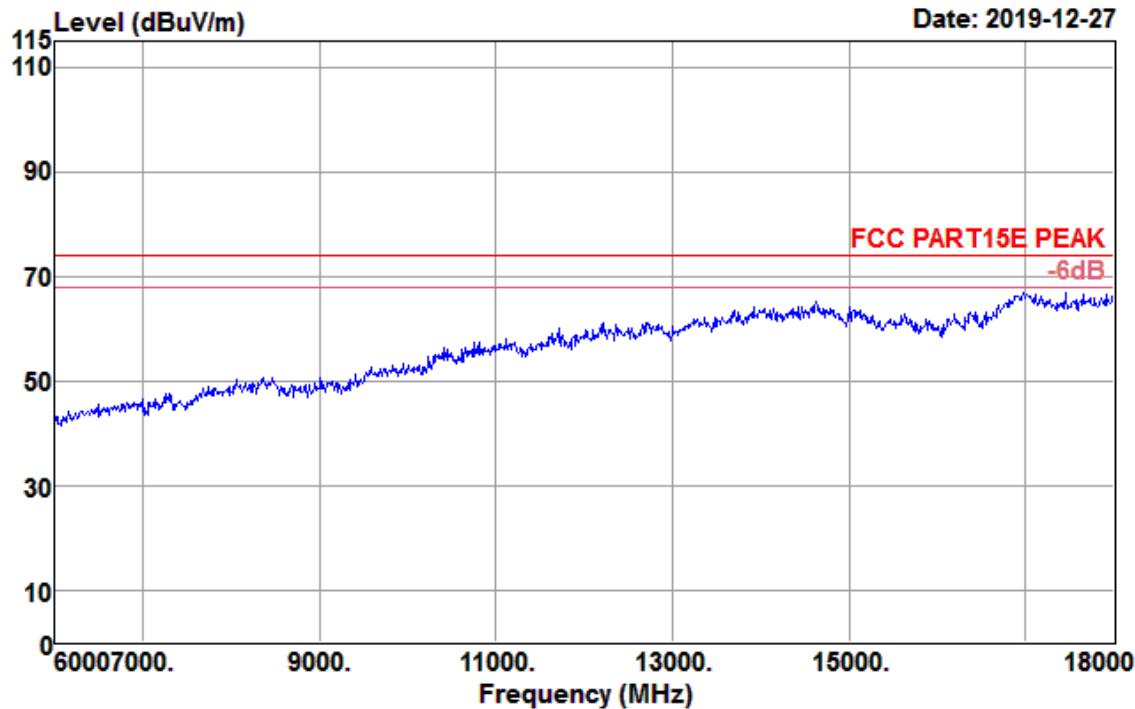
Data: 41



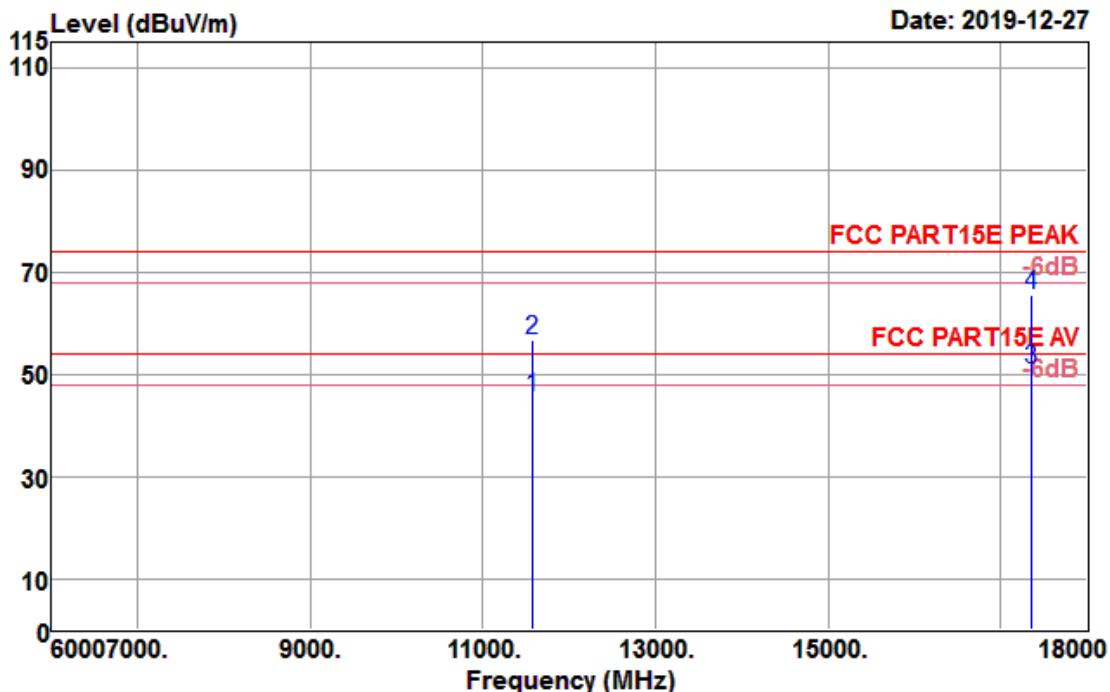
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Preamp level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5785.000	82.75	32.33	6.09	36.03	85.14	74.00	11.14	Peak

<b>Test Mode :</b>	802.11 n HT20 CH157 5785MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Horizontal

Data: 37



Data: 38

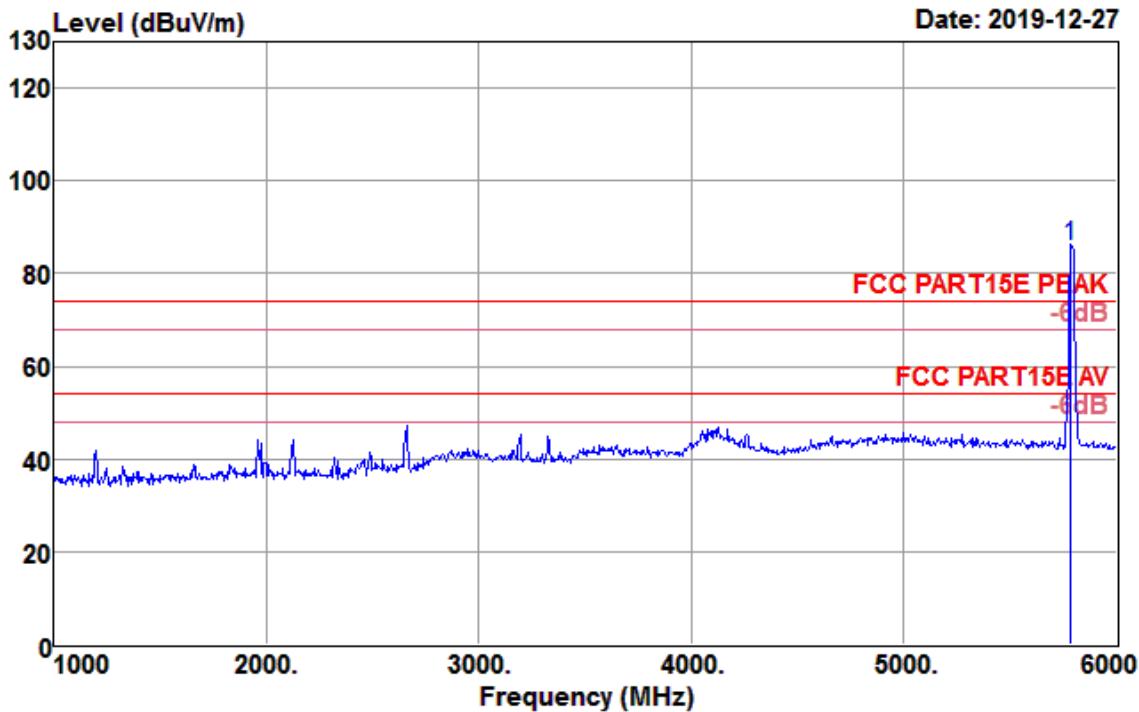


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
11570.000	25.73	39.84	13.55	33.69	45.43	54.00	-8.57	Average
11570.000	37.03	39.84	13.55	33.69	56.73	74.00	-17.27	Peak
17355.000	20.86	44.02	16.99	30.99	50.88	54.00	-3.12	Average
17355.000	35.54	44.02	16.99	30.99	65.56	74.00	-8.44	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

<b>Test Mode :</b>	802.11 n HT20 CH157 5785MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Vertical

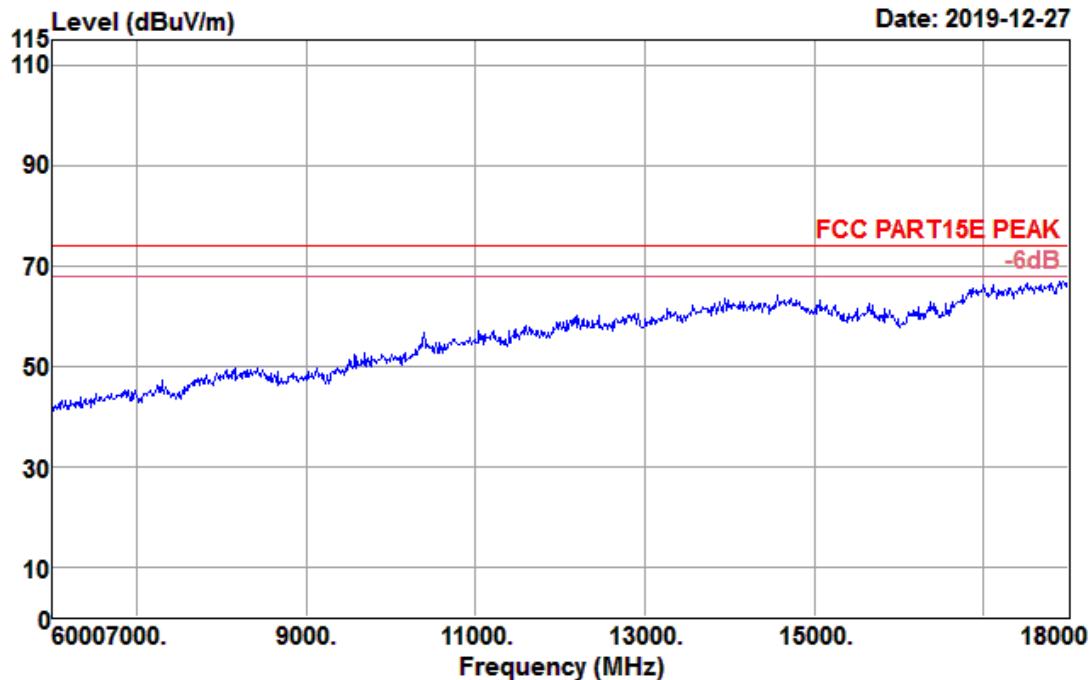
Data: 42



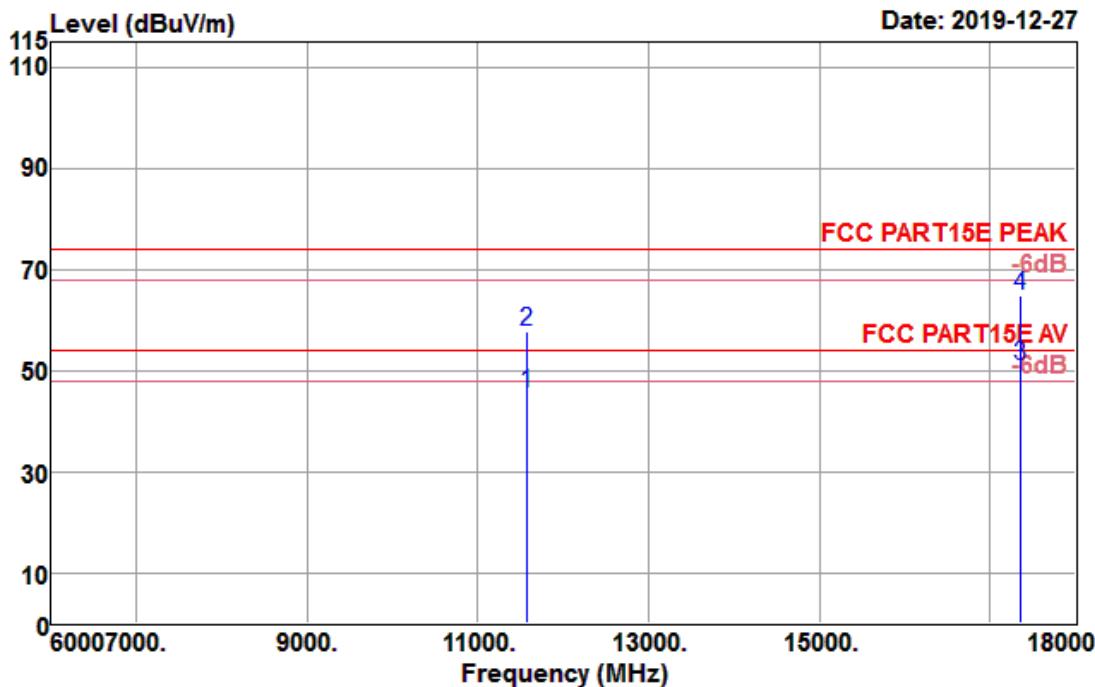
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Preamp level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5785.000	83.44	32.33	6.09	36.03	85.83	74.00	11.83	Peak

<b>Test Mode :</b>	802.11 n HT20 CH157 5785MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Vertical

Data: 39



Data: 40

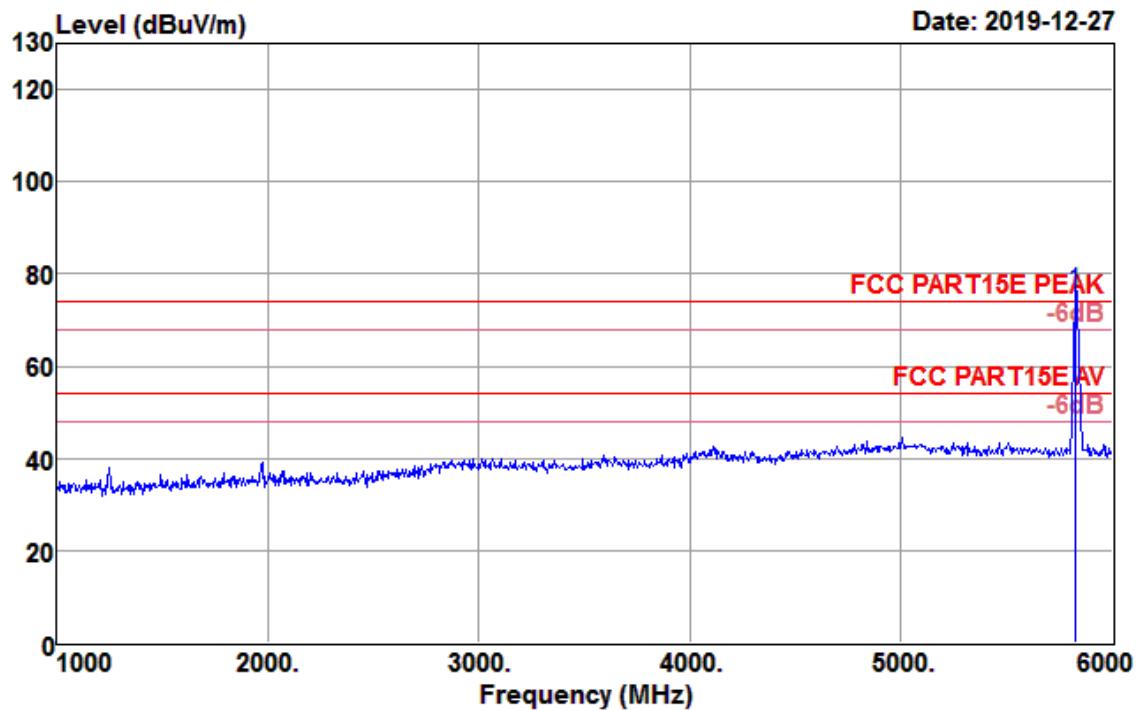


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Preamp level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
11570.000	25.89	39.84	13.55	33.69	45.59	54.00	-8.41	Average
11570.000	37.90	39.84	13.55	33.69	57.60	74.00	-16.40	Peak
17355.000	20.74	44.02	16.99	30.99	50.76	54.00	-3.24	Average
17355.000	34.88	44.02	16.99	30.99	64.90	74.00	-9.10	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

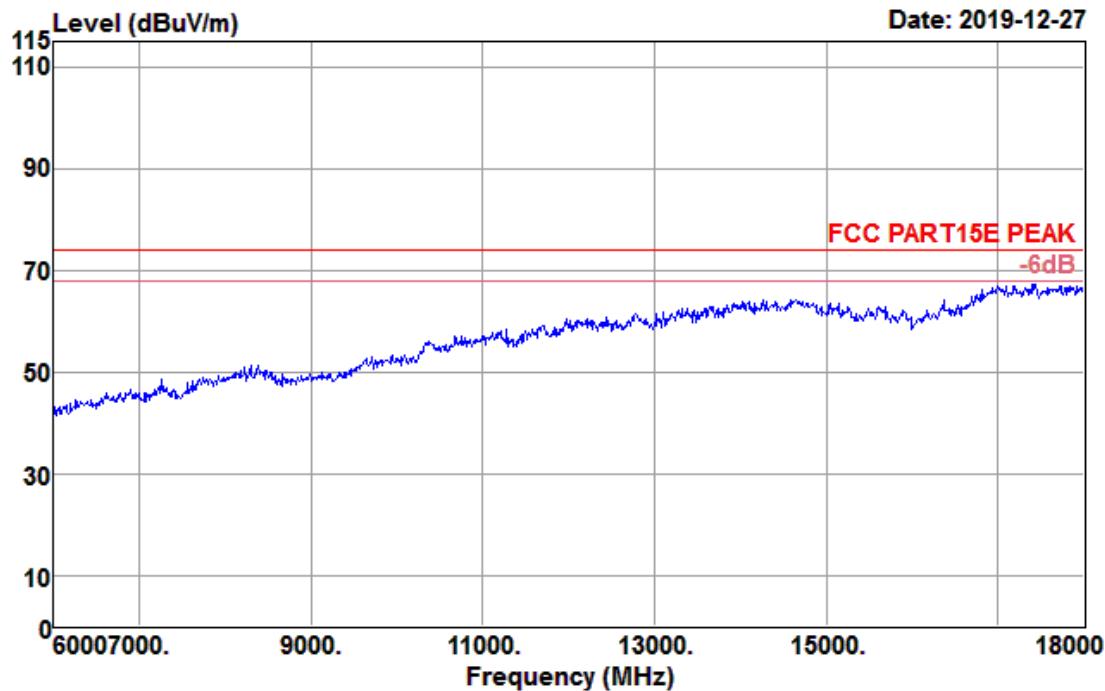
<b>Test Mode :</b>	802.11 n HT20 CH165 5825MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Horizontal

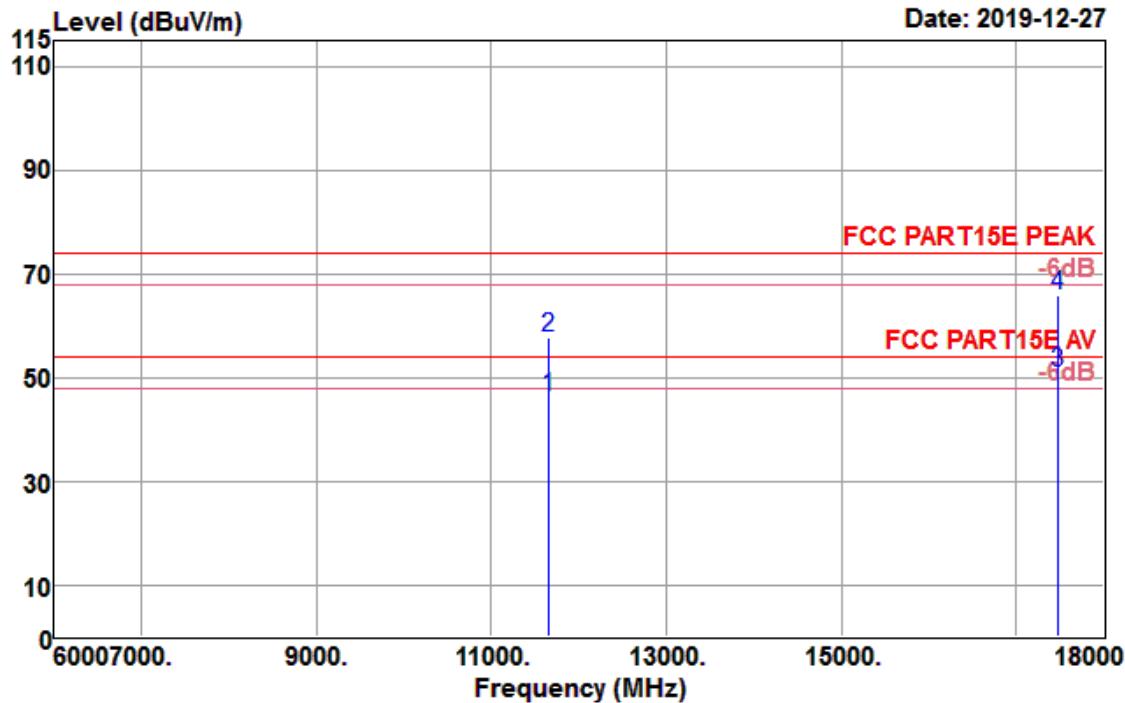
Data: 49



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Preamp level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5825.000	73.43	32.36	6.12	36.10	75.81	74.00	1.81	Peak

<b>Test Mode :</b>	802.11 n HT20 CH165 5825MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Horizontal

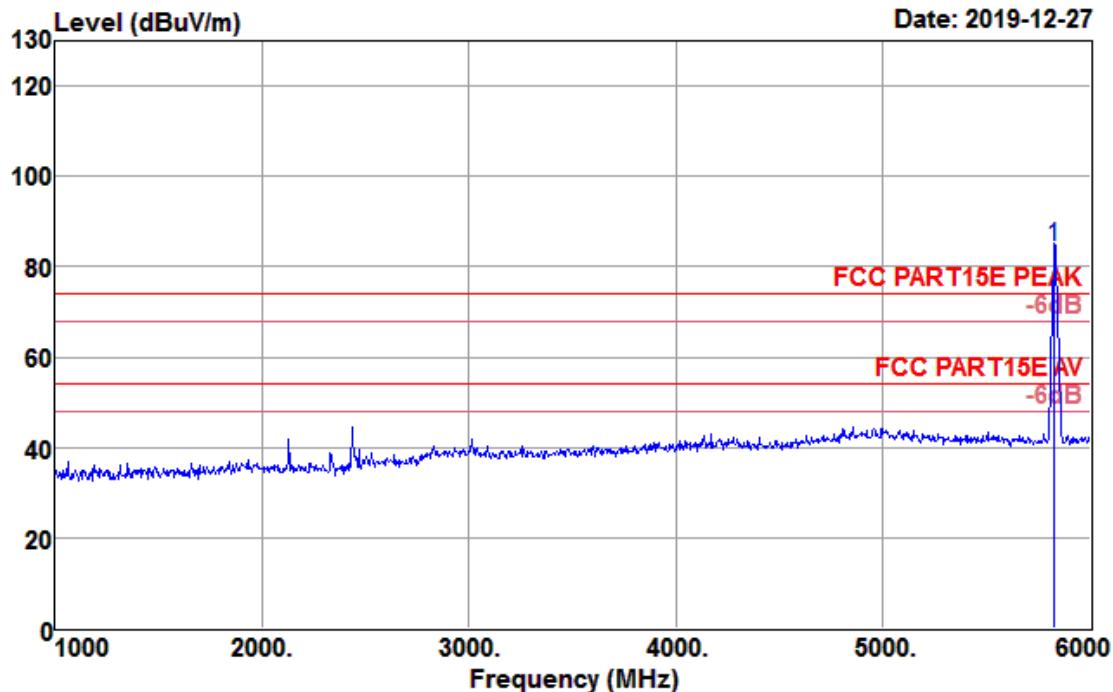
**Data: 45**

**Data: 46**

Freq MHz	Reading dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
11650.000	26.30	39.78	13.76	33.61	46.23	54.00	-7.77	Average
11650.000	37.89	39.78	13.76	33.61	57.82	74.00	-16.18	Peak
17475.000	20.86	44.87	16.25	30.92	51.06	54.00	-2.94	Average
17475.000	35.48	44.87	16.25	30.92	65.68	74.00	-8.32	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

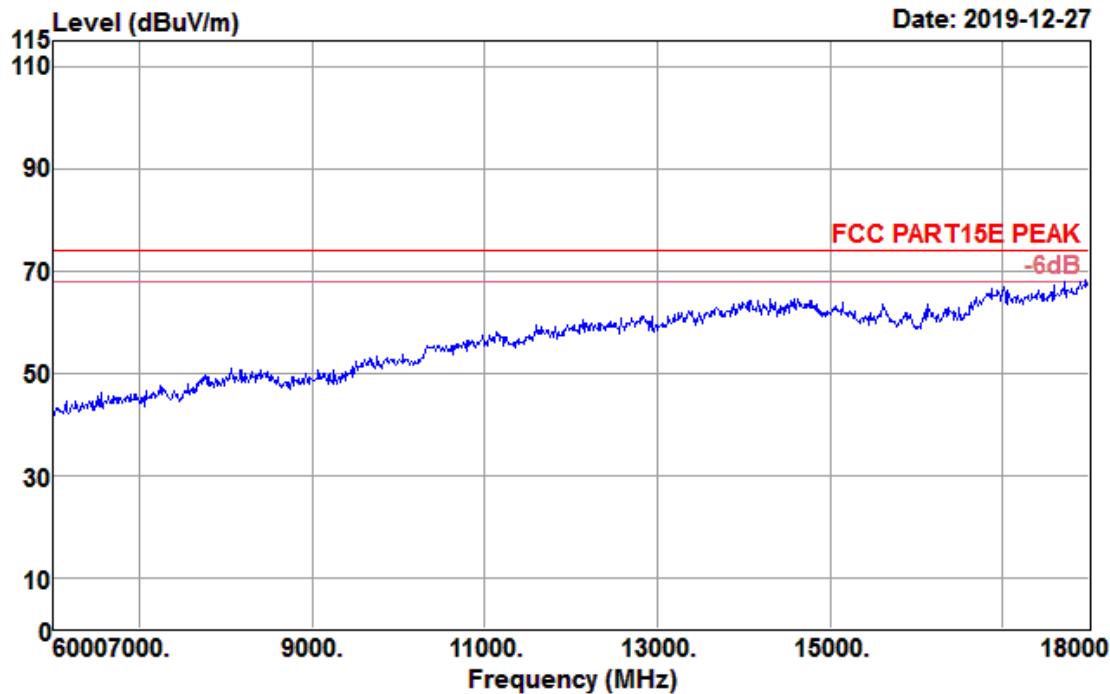
<b>Test Mode :</b>	802.11 n HT20 CH165 5825MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Vertical

**Data: 52**


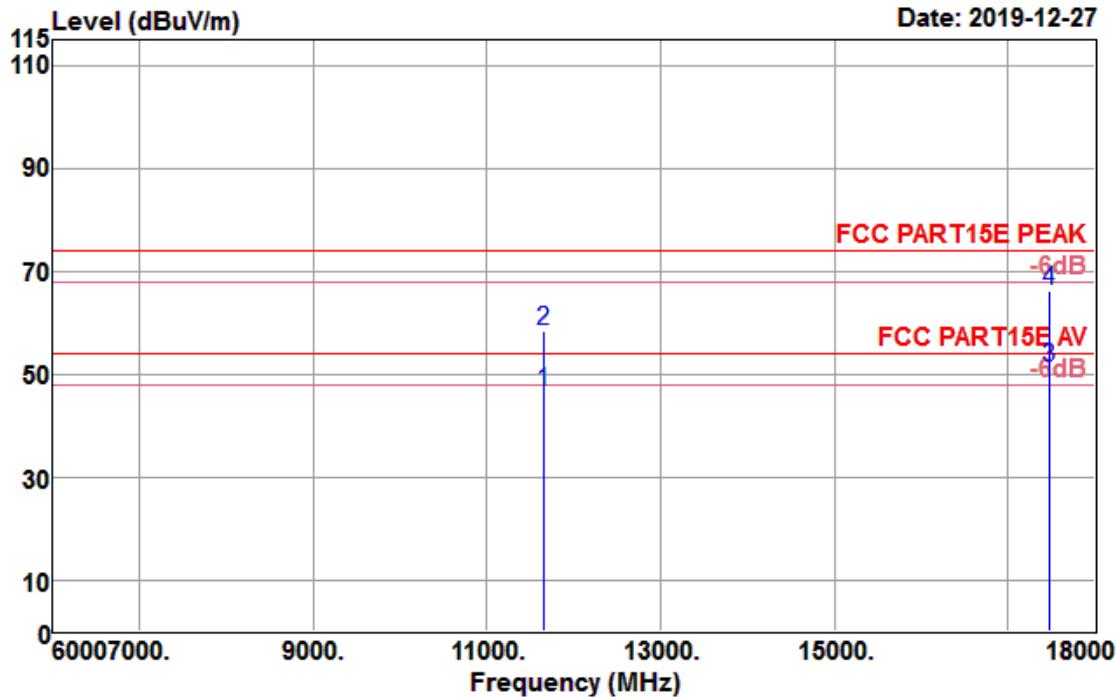
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5825.000	82.03	32.36	6.12	36.10	84.41	74.00	10.41	Peak

<b>Test Mode :</b>	802.11 n HT20 CH165 5825MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Vertical

Data: 43



Data: 44

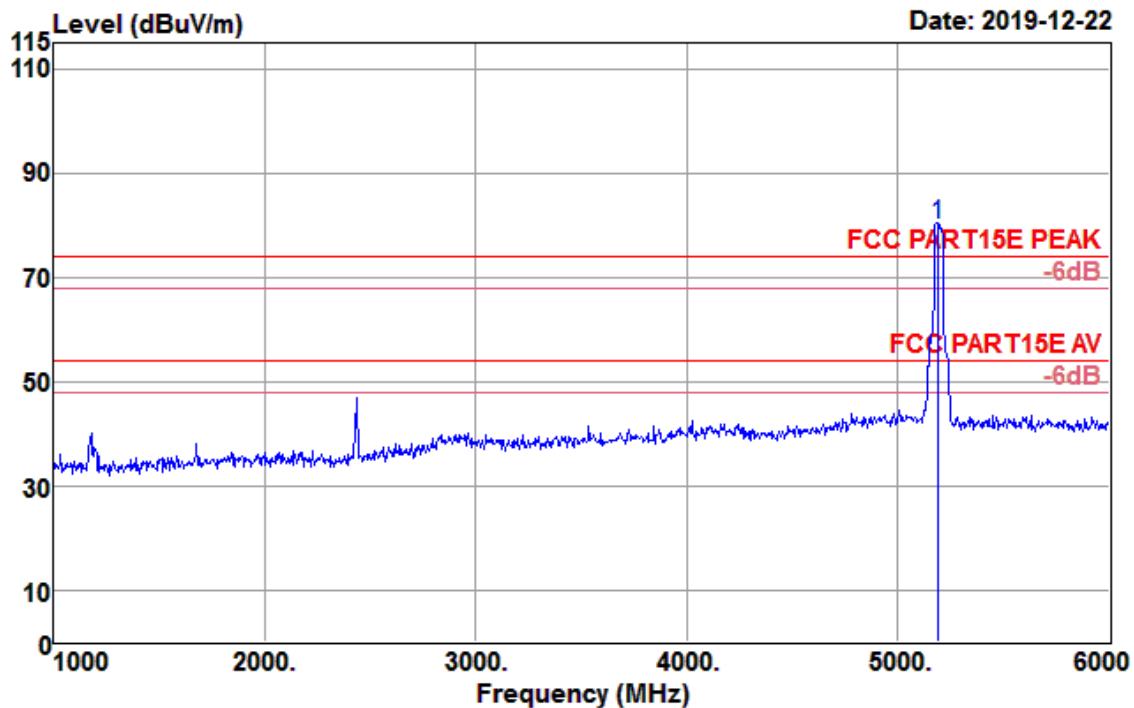


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
11650.000	26.69	39.78	13.76	33.61	46.62	54.00	-7.38	Average
11650.000	38.26	39.78	13.76	33.61	58.19	74.00	-15.81	Peak
<b>17475.000</b>	<b>20.95</b>	<b>44.87</b>	<b>16.25</b>	<b>30.92</b>	<b>51.15</b>	<b>54.00</b>	<b>-2.85</b>	<b>Average</b>
17475.000	35.91	44.87	16.25	30.92	66.11	74.00	-7.89	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

<b>Test Mode :</b>	802.11n HT40 CH38 5190MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Horizontal

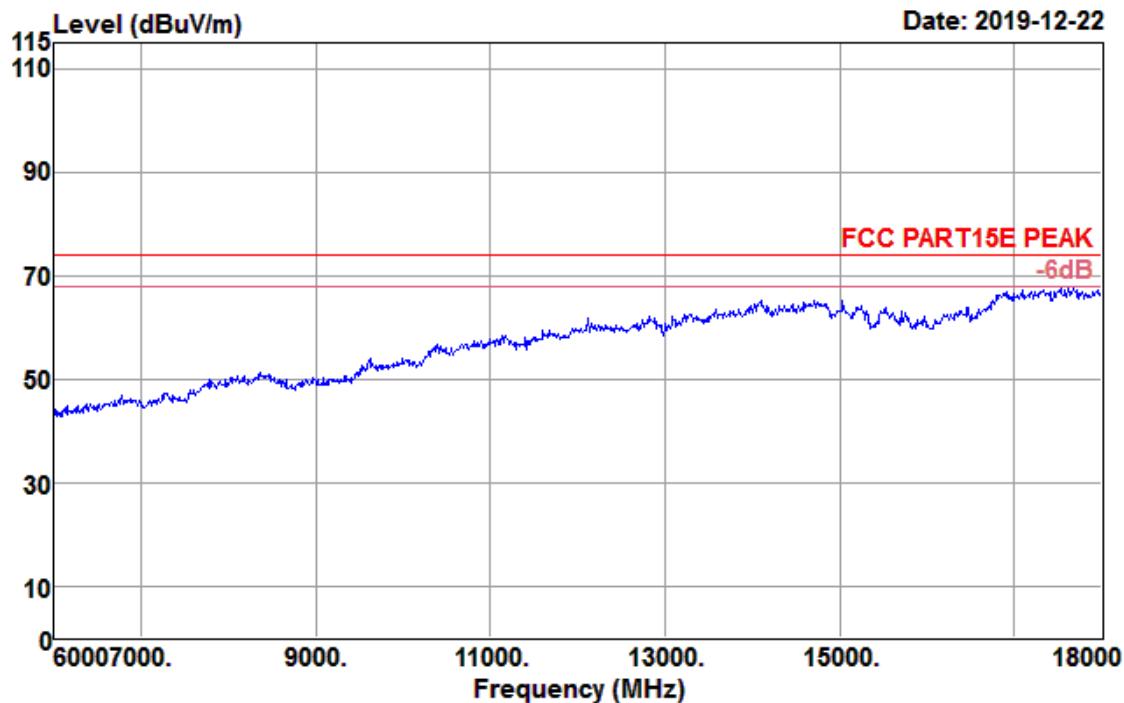
Data: 297



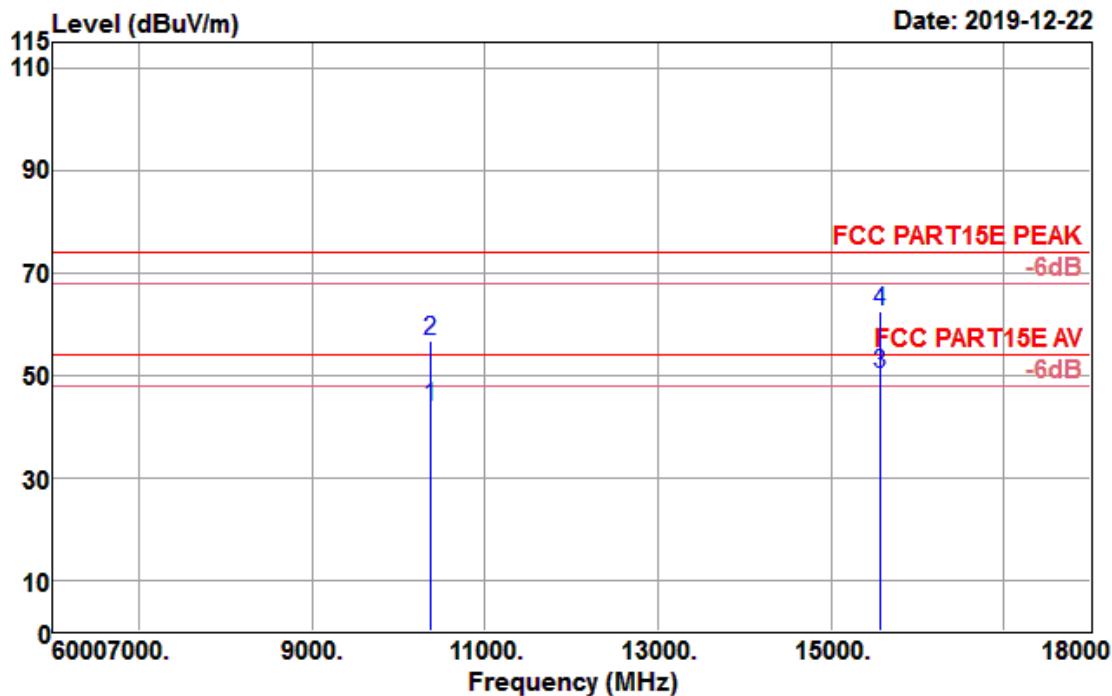
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Preamp level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5190.000	77.47	31.85	5.69	35.02	79.99	74.00	5.99	Peak

<b>Test Mode :</b>	802.11n HT40 CH38 5190MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Horizontal

Data: 288



Data: 289

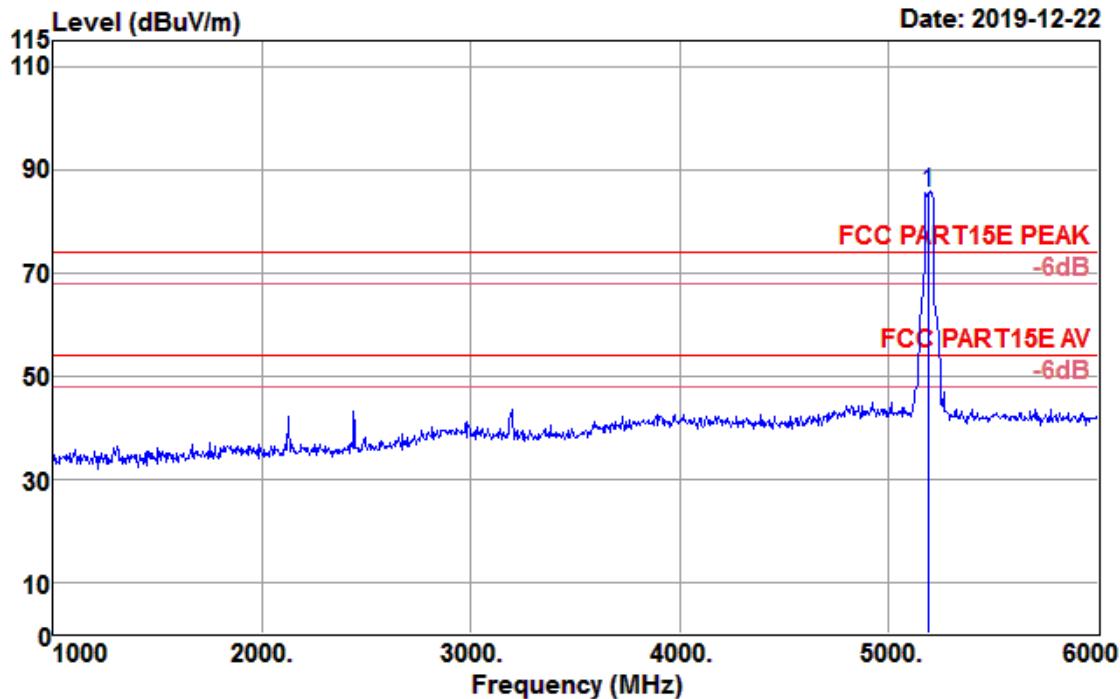


Freq MHz	Reading dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
10380.000	28.36	39.18	11.93	35.56	43.91	54.00	-10.09	Average
10380.000	41.01	39.18	11.93	35.56	56.56	74.00	-17.44	Peak
15570.000	26.78	38.93	16.31	31.87	50.15	54.00	-3.85	Average
15570.000	39.08	38.93	16.31	31.87	62.45	74.00	-11.55	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

<b>Test Mode :</b>	802.11n HT40 CH38 5190MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Vertical

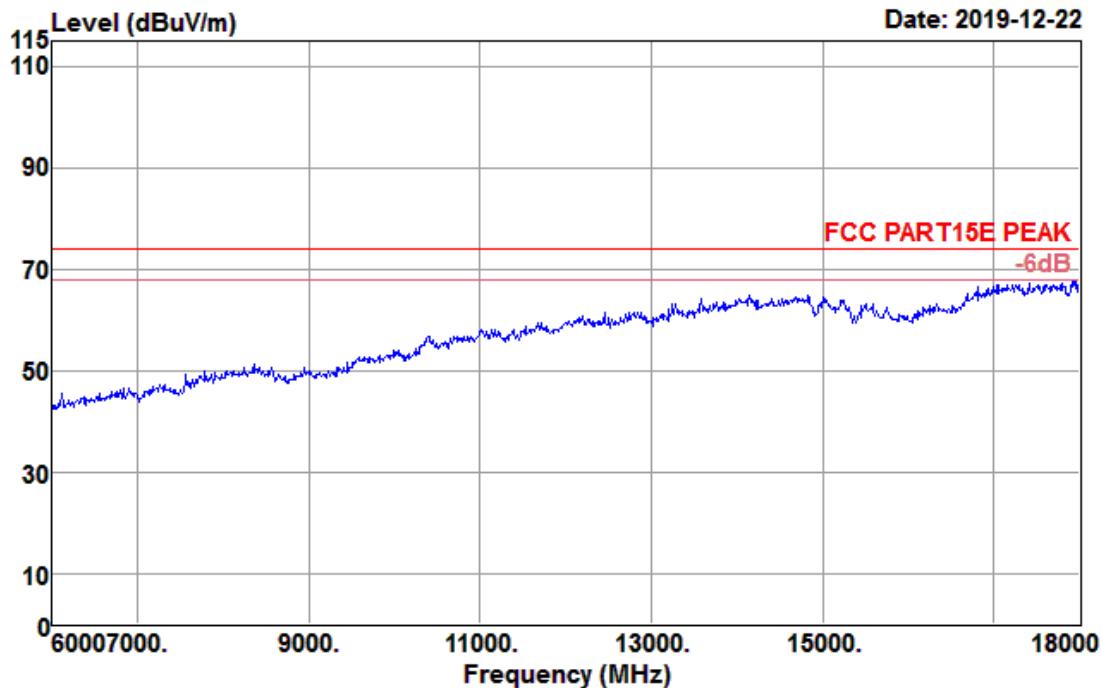
Data: 294



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Preamp level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5190.000	82.89	31.85	5.69	35.02	85.41	74.00	11.41	Peak

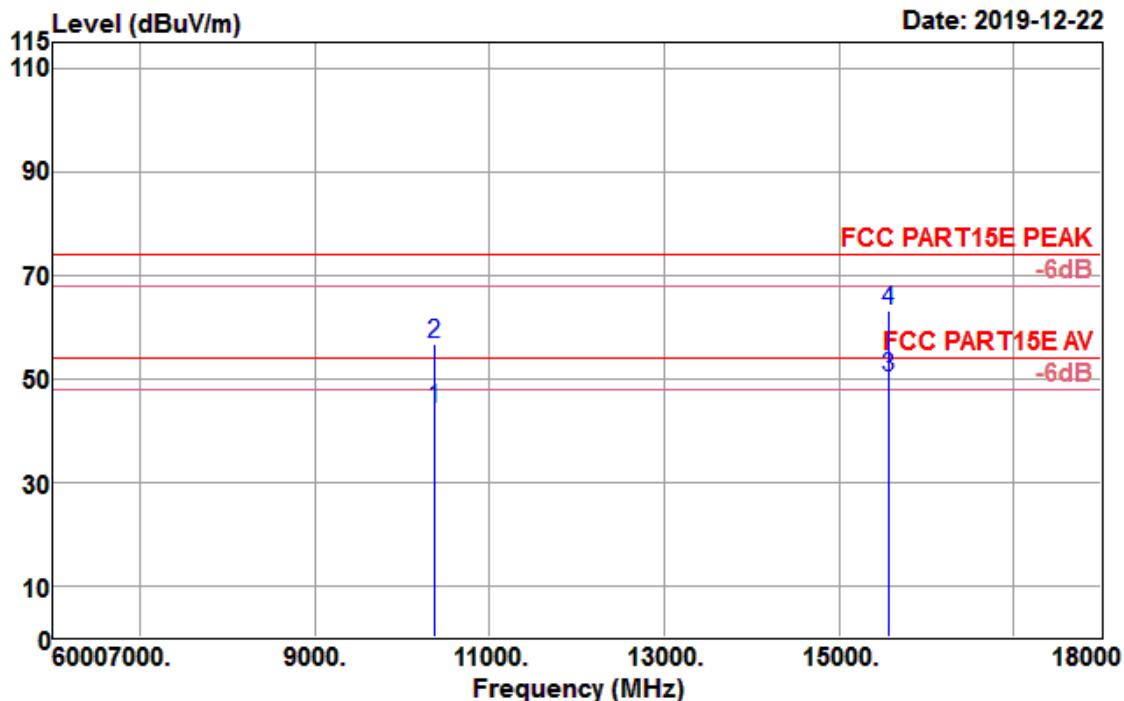
<b>Test Mode :</b>	802.11n HT40 CH38 5190MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Vertical

Data: 290



Data: 291

Date: 2019-12-22

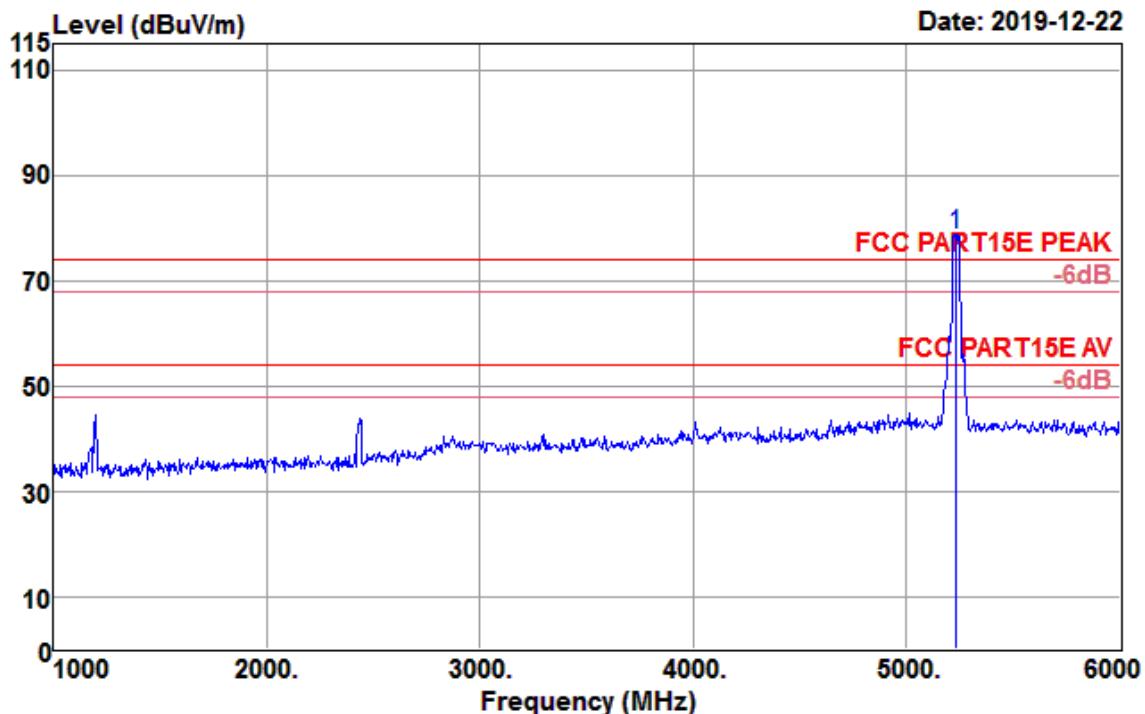


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Preamp level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
10380.000	28.48	39.18	11.93	35.56	44.03	54.00	-9.97	Average
10380.000	40.97	39.18	11.93	35.56	56.52	74.00	-17.48	Peak
15570.000	26.87	38.93	16.31	31.87	50.24	54.00	-3.76	Average
15570.000	39.85	38.93	16.31	31.87	63.22	74.00	-10.78	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

<b>Test Mode :</b>	802.11 n HT40 CH46 5230MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Horizontal

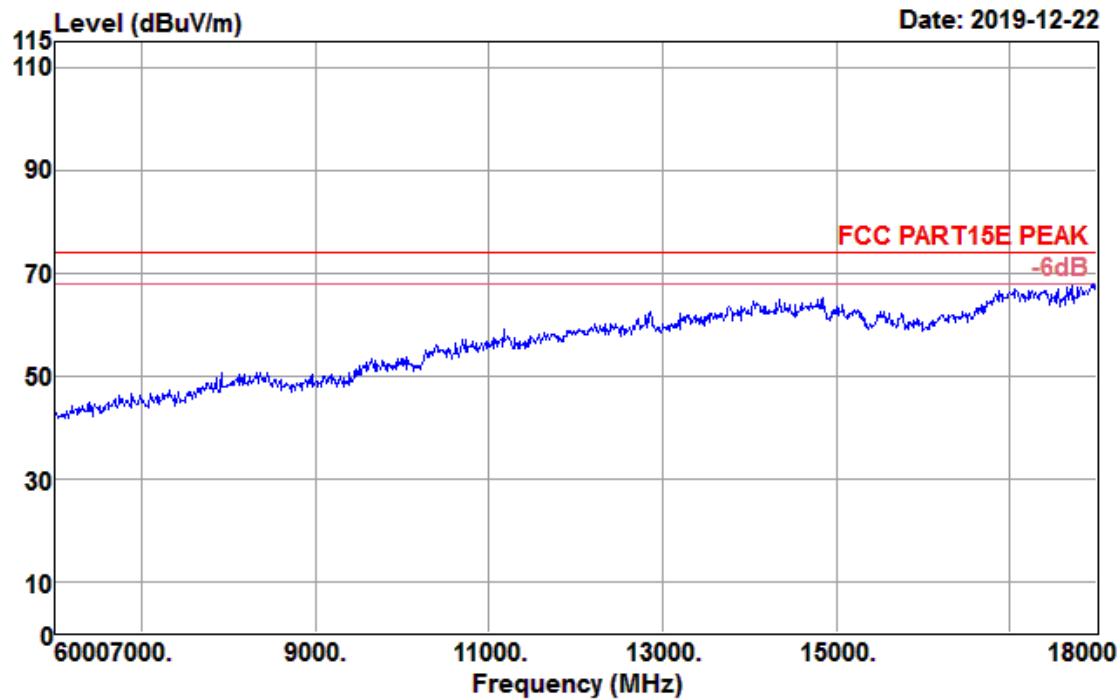
Data: 307



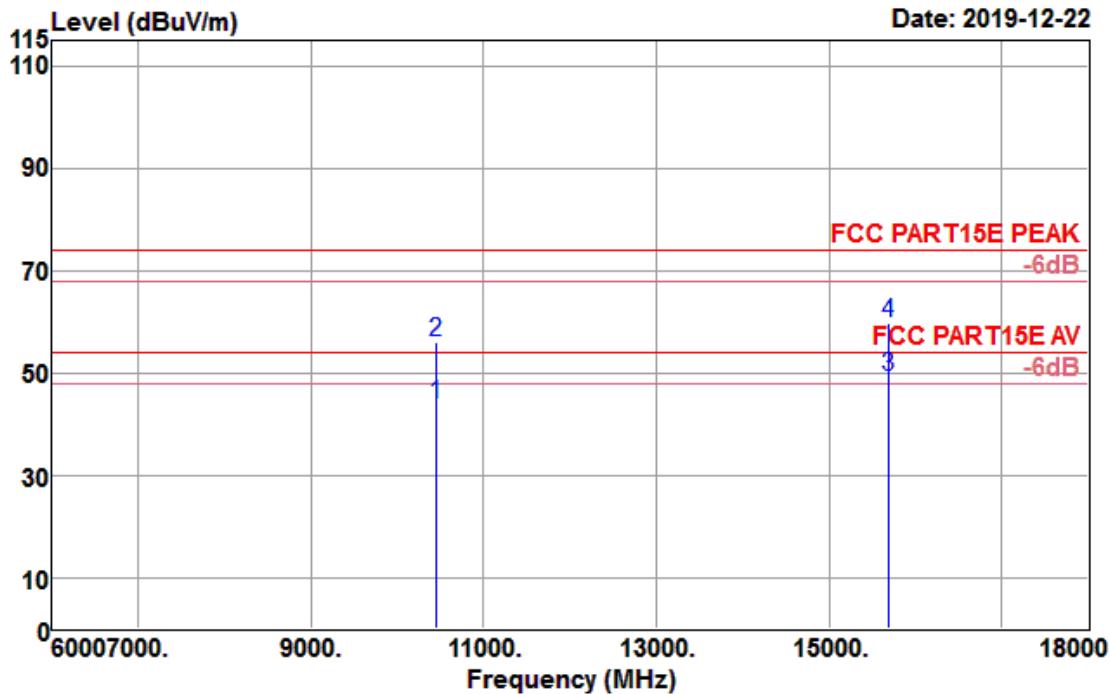
Freq MHz	Reading dBuV	Antenna factor	Cable loss	Preamp factor	Limit dBuV/m	Over limit dB	Remark
5230.000	76.27	31.88	5.70	35.09	78.76	74.00	4.76 Peak

<b>Test Mode :</b>	802.11 n HT40 CH46 5230MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Horizontal

Data: 298



Data: 299

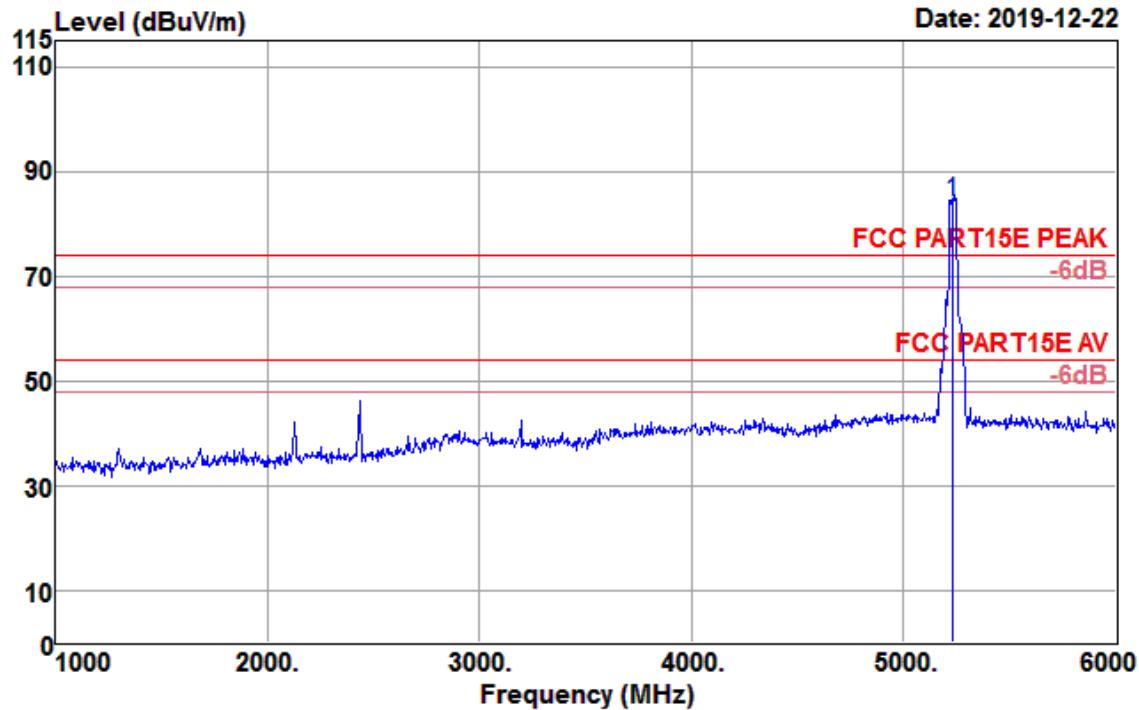


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Preamp level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
10460.000	27.86	39.33	12.04	35.39	43.84	54.00	-10.16	Average
10460.000	39.96	39.33	12.04	35.39	55.94	74.00	-18.06	Peak
<b>15690.000</b>	<b>26.35</b>	<b>38.56</b>	<b>16.18</b>	<b>31.82</b>	<b>49.27</b>	<b>54.00</b>	<b>-4.73</b>	Average
15690.000	36.78	38.56	16.18	31.82	59.70	74.00	-14.30	Peak

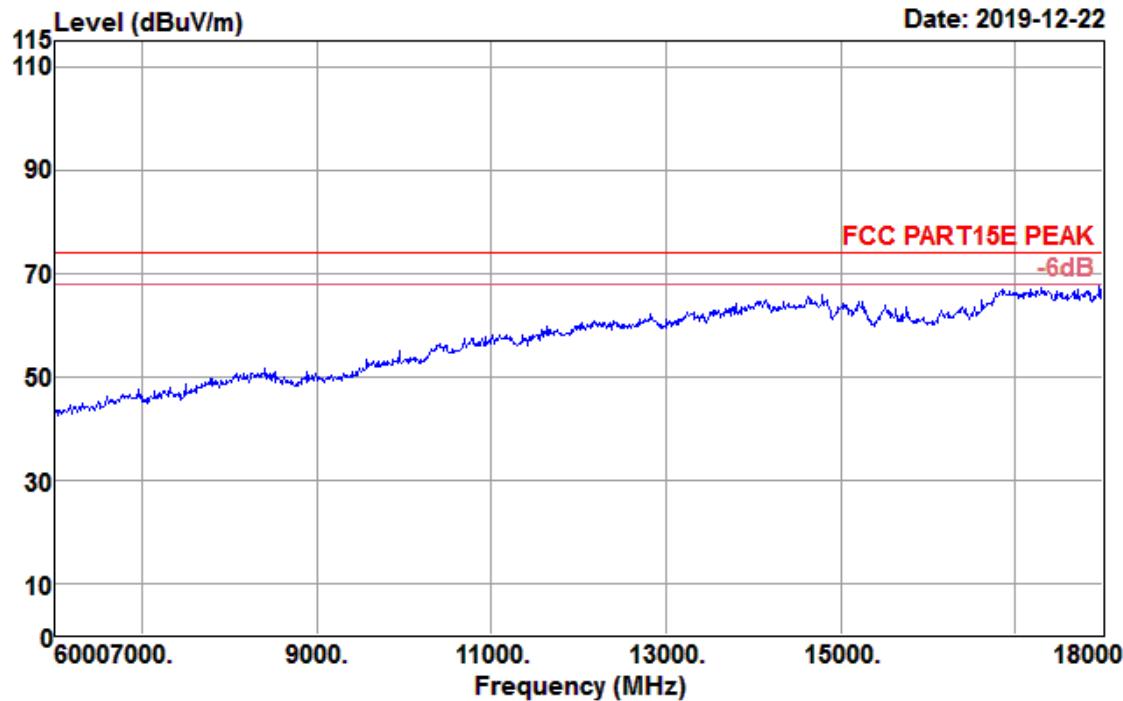
Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

<b>Test Mode :</b>	802.11 n HT40 CH46 5230MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Vertical

Data: 304

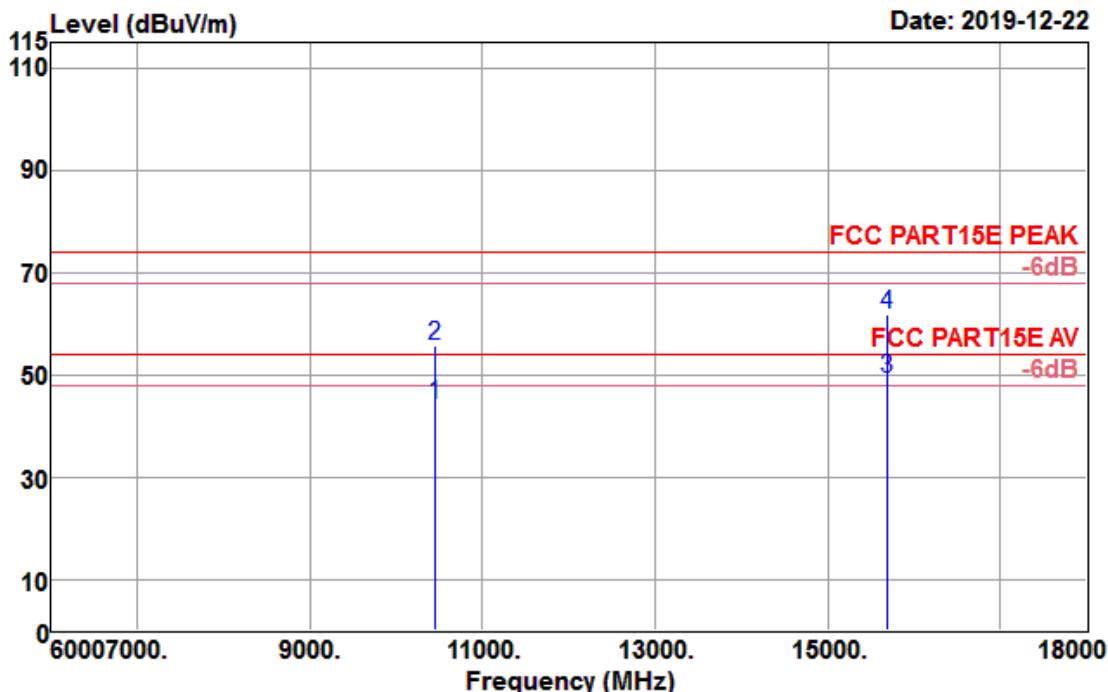


<b>Test Mode :</b>	802.11 n HT40 CH46 5230MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Vertical

**Data: 300**

Data: 301

Date: 2019-12-22

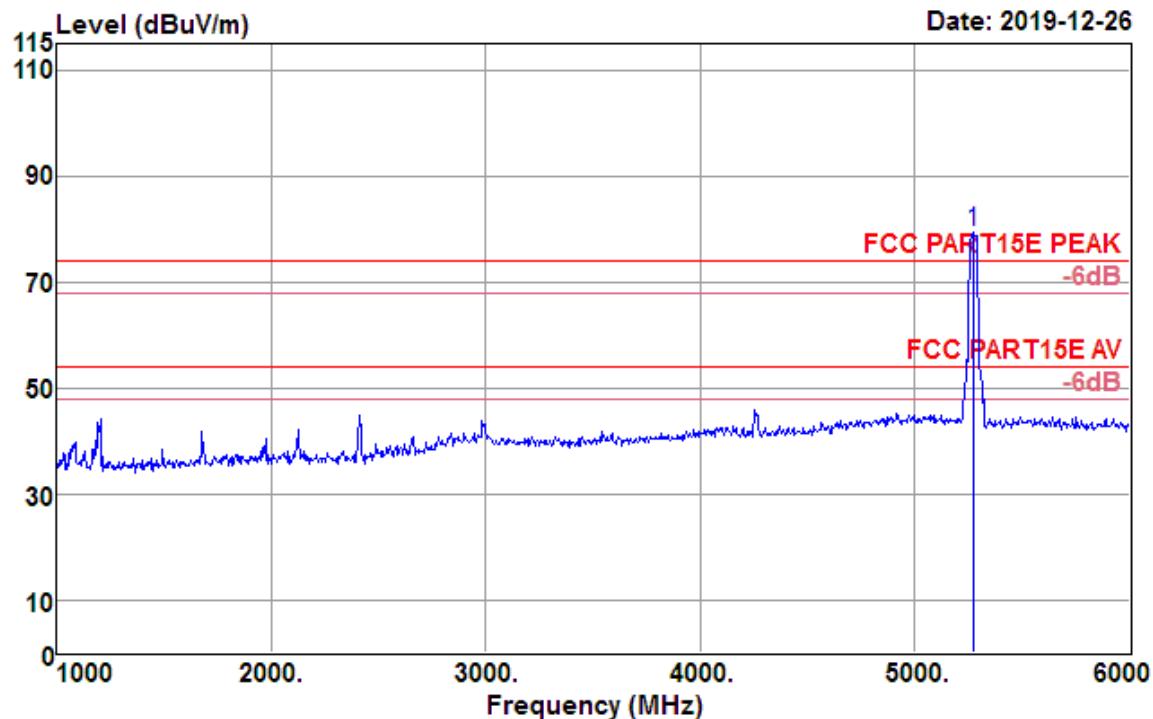


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Preamp level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
10460.000	28.01	39.33	12.04	35.39	43.99	54.00	-10.01	Average
10460.000	39.71	39.33	12.04	35.39	55.69	74.00	-18.31	Peak
15690.000	26.21	38.56	16.18	31.82	49.13	54.00	-4.87	Average
15690.000	38.67	38.56	16.18	31.82	61.59	74.00	-12.41	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

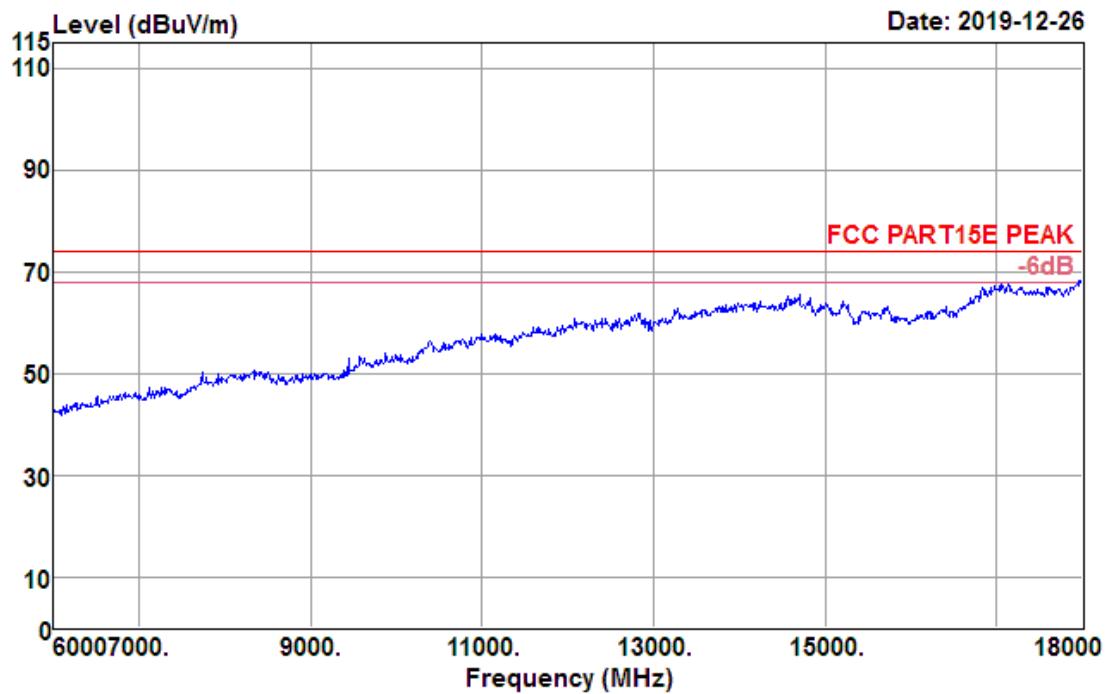
<b>Test Mode :</b>	802.11 n HT40 CH54 5270MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Horizontal

Data: 93

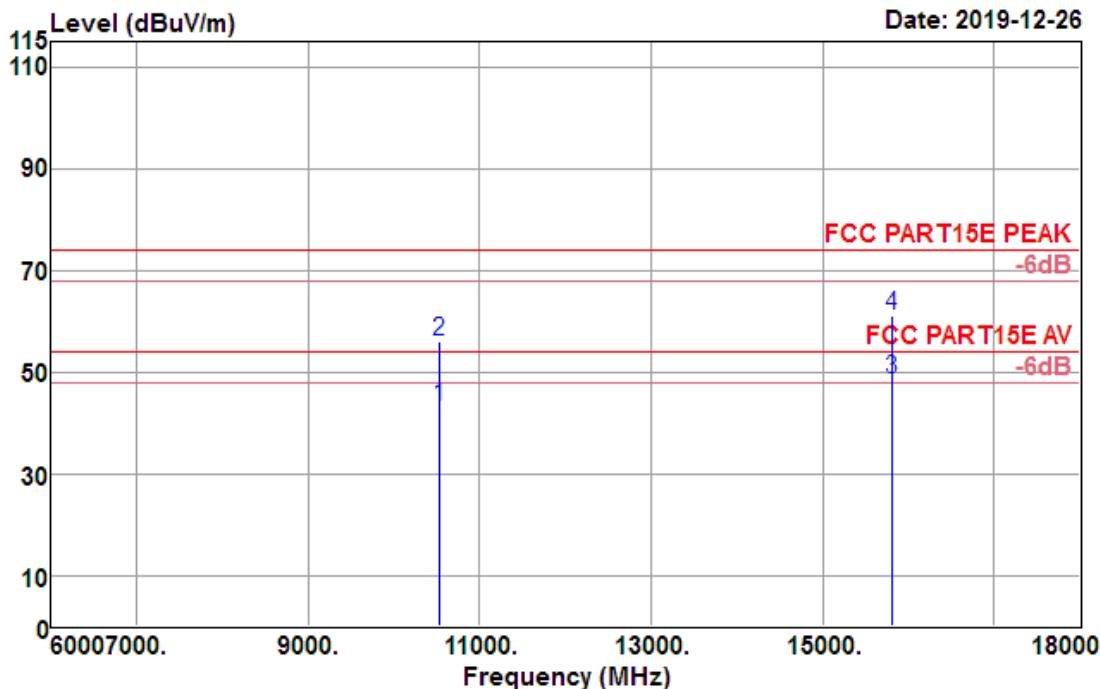


<b>Test Mode :</b>	802.11 n HT40 CH54 5270MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Horizontal

Data: 97



Data: 98

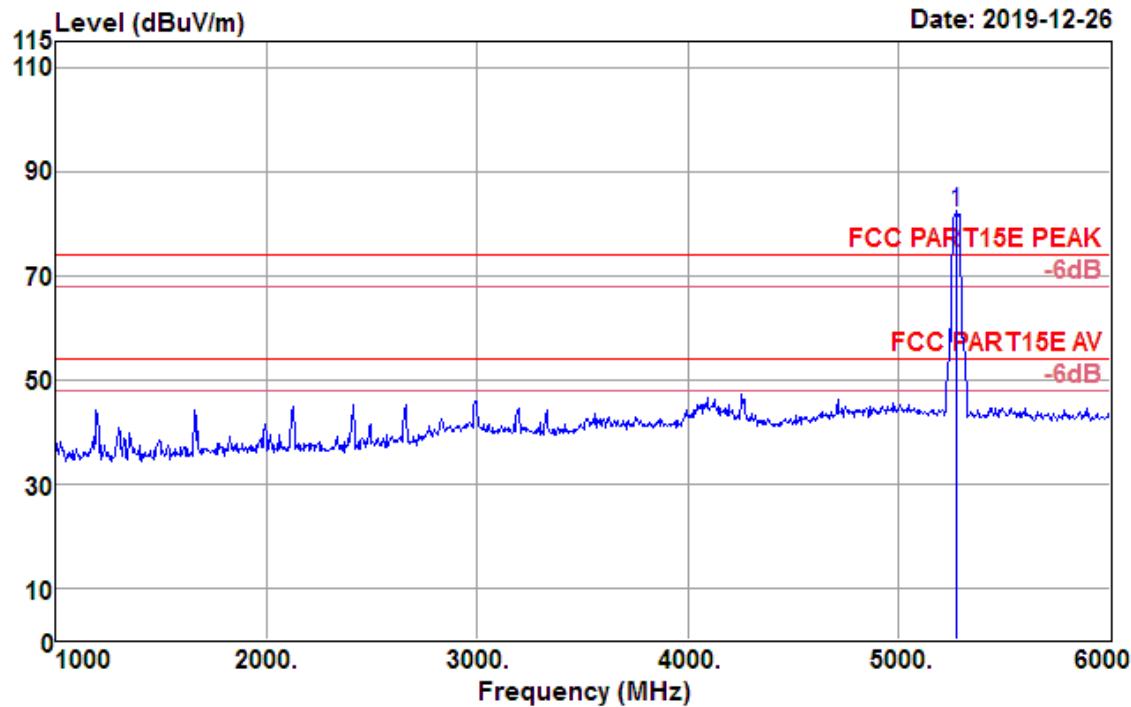


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
10540.000	26.74	39.47	12.15	35.21	43.15	54.00	-10.85	Average
10540.000	39.61	39.47	12.15	35.21	56.02	74.00	-17.98	Peak
15810.000	25.93	38.19	16.06	31.78	48.40	54.00	-5.60	Average
15810.000	38.55	38.19	16.06	31.78	61.02	74.00	-12.98	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

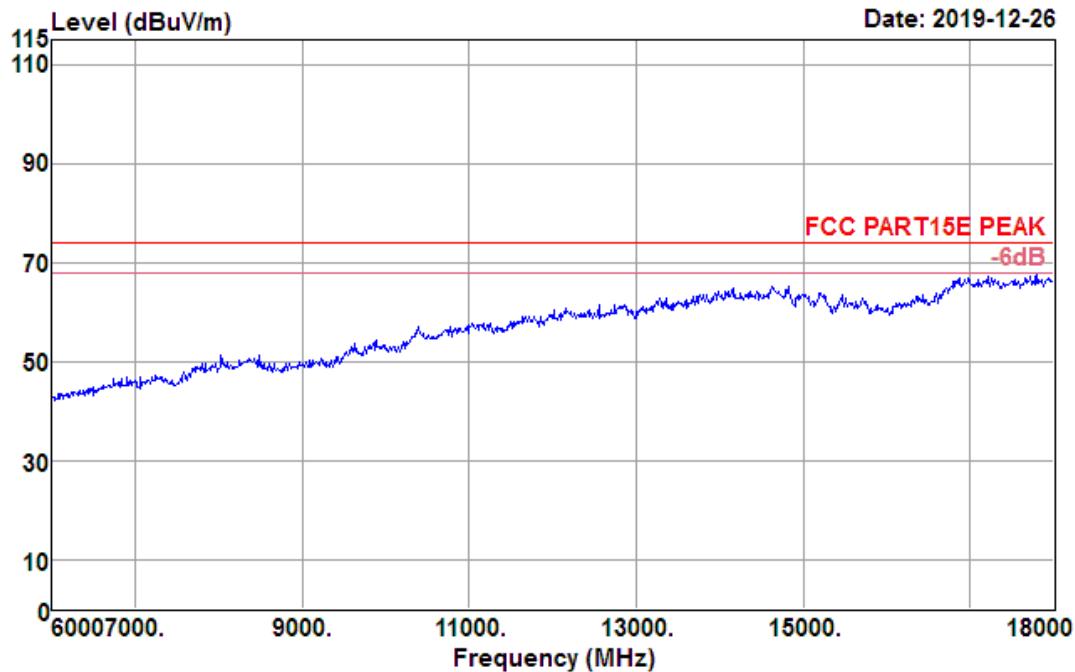
<b>Test Mode :</b>	802.11 n HT40 CH54 5270MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Vertical

Data: 94

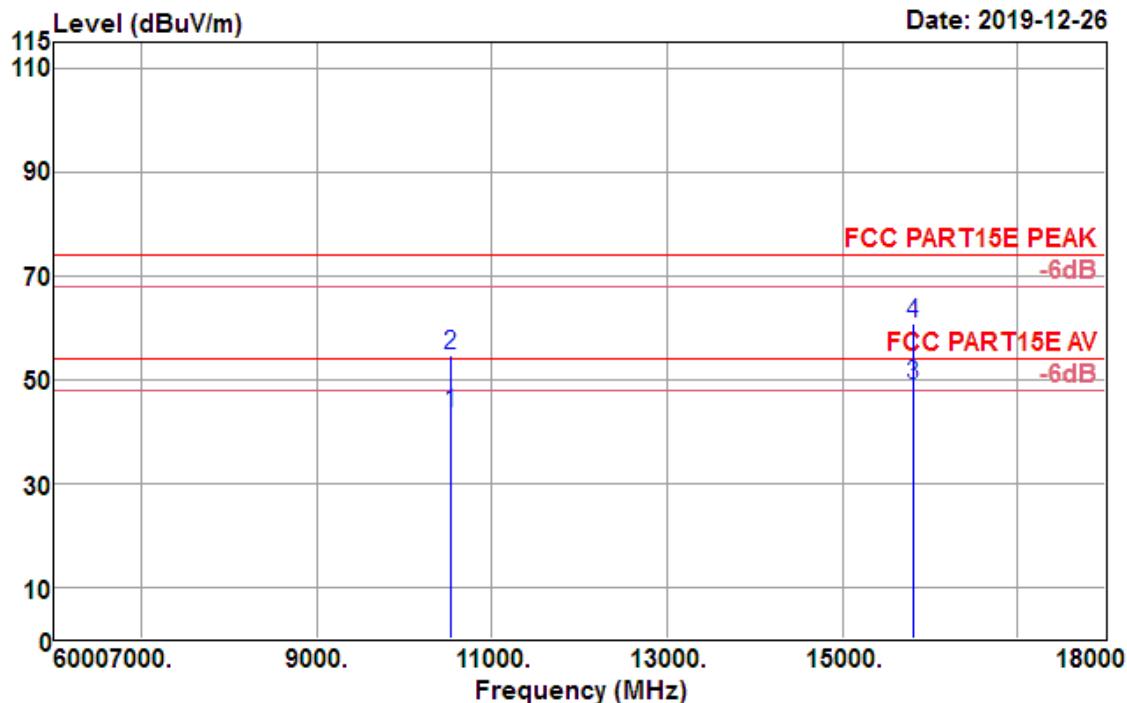


<b>Test Mode :</b>	802.11 n HT40 CH54 5270MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Vertical

Data: 95



Data: 96

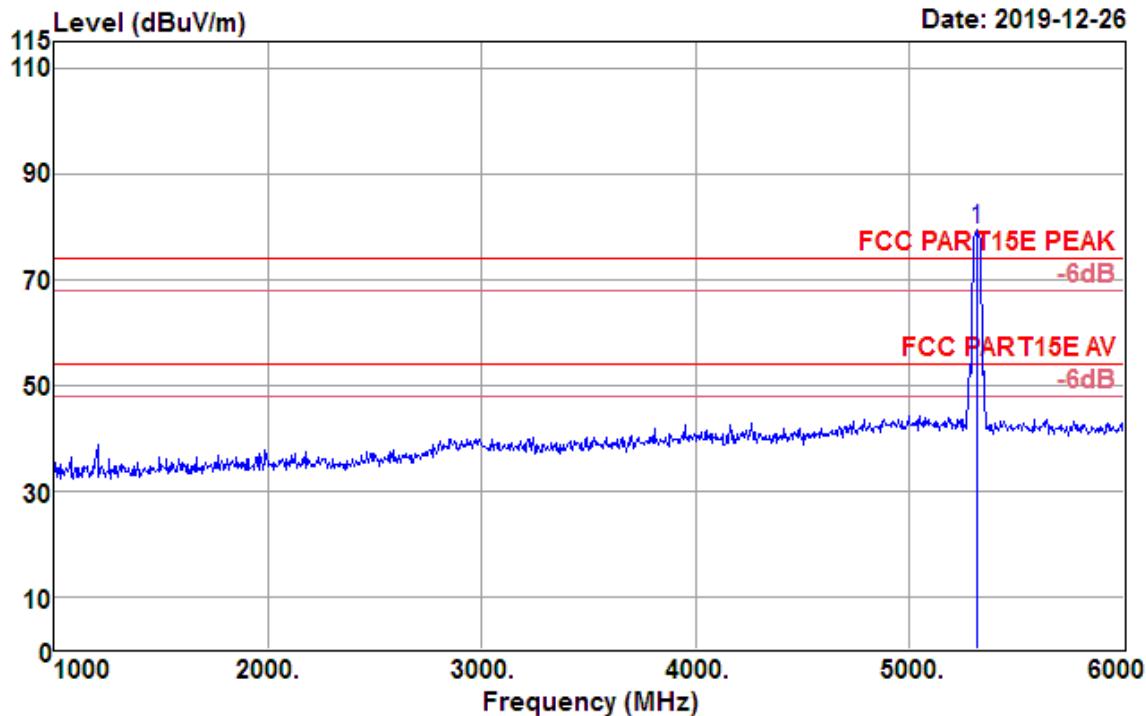


Freq MHz	Reading dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
10540.000	26.95	39.47	12.15	35.21	43.36	54.00	-10.64	Average
10540.000	38.12	39.47	12.15	35.21	54.53	74.00	-19.47	Peak
15810.000	26.48	38.19	16.06	31.78	48.95	54.00	-5.05	Average
15810.000	38.23	38.19	16.06	31.78	60.70	74.00	-13.30	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

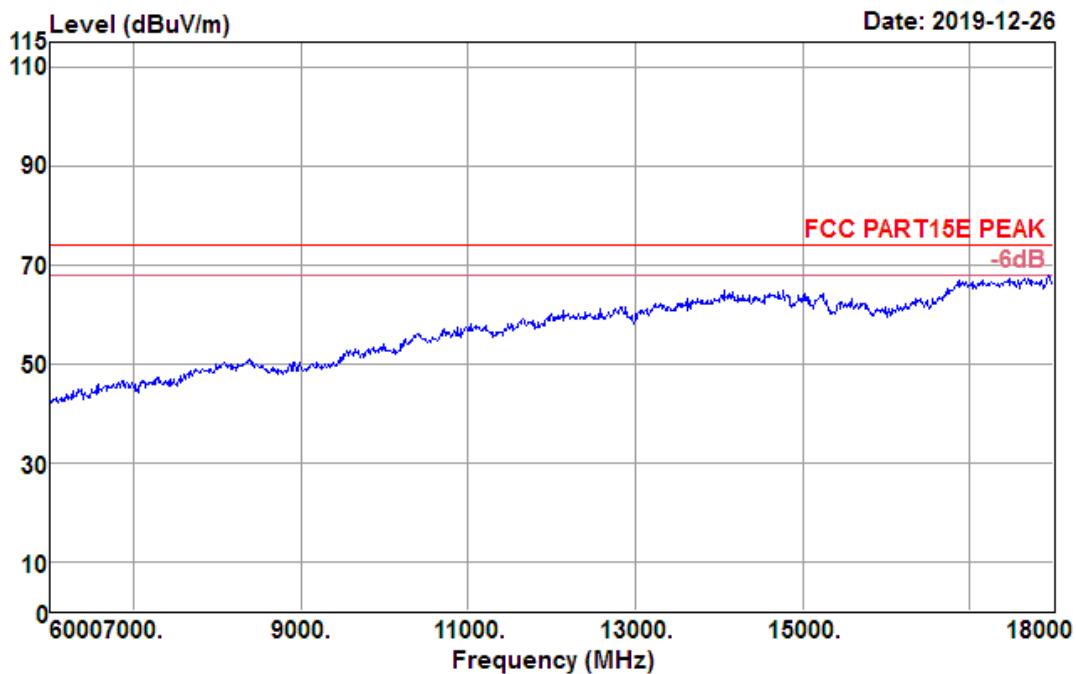
<b>Test Mode :</b>	802.11 n HT40 CH62 5310MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Horizontal

Data: 108

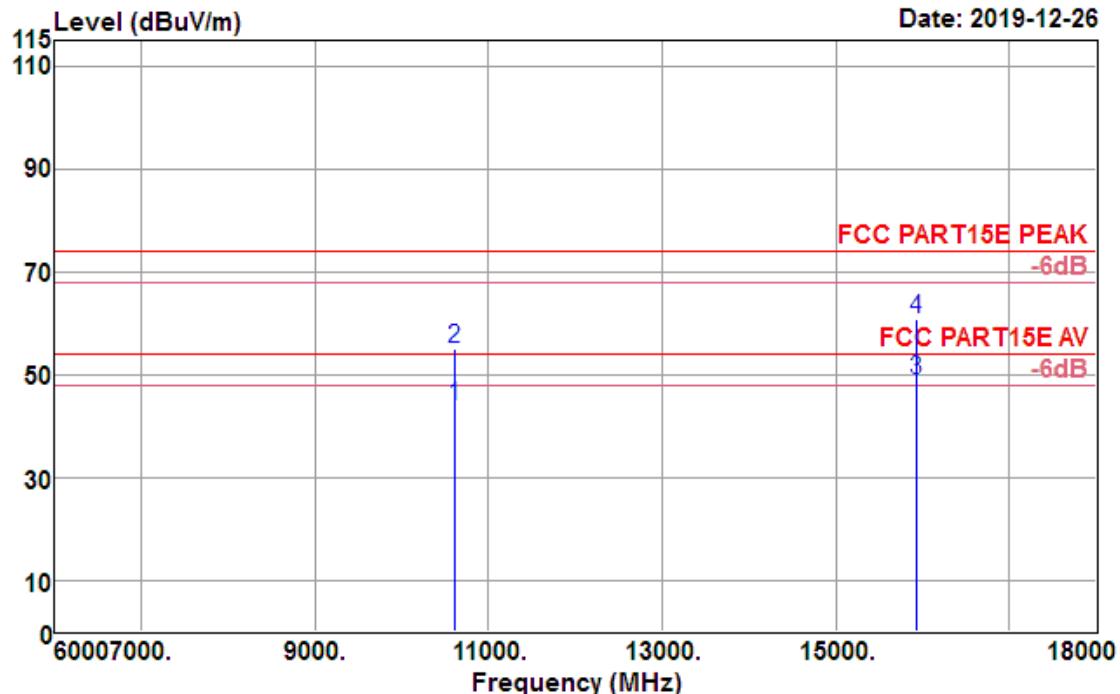


Freq MHz	Reading dBuV	Antenna factor	Cable loss	Preamp factor	Limit dBuV/m	Over limit dB	Remark
		dB/m	dB	dB	dBuV/m		
5310.000	76.96	31.95	5.71	35.23	79.39	74.00	5.39 Peak

<b>Test Mode :</b>	802.11 n HT40 CH62 5310MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Horizontal

**Data: 100**

Data: 99

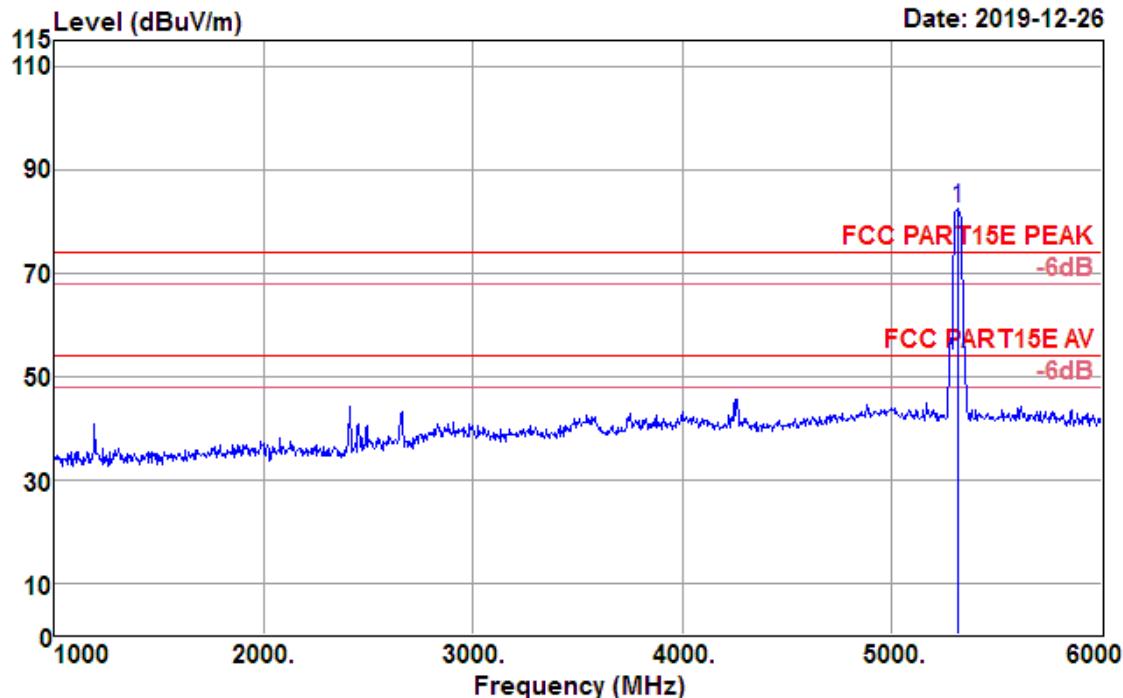


Freq MHz	Reading dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Preamp level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
10620.000	26.80	39.62	12.24	35.04	43.62	54.00	-10.38	Average
10620.000	38.23	39.62	12.24	35.04	55.05	74.00	-18.95	Peak
15930.000	26.84	37.82	15.93	31.73	48.86	54.00	-5.14	Average
15930.000	38.66	37.82	15.93	31.73	60.68	74.00	-13.32	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

<b>Test Mode :</b>	802.11 n HT40 CH62 5310MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Vertical

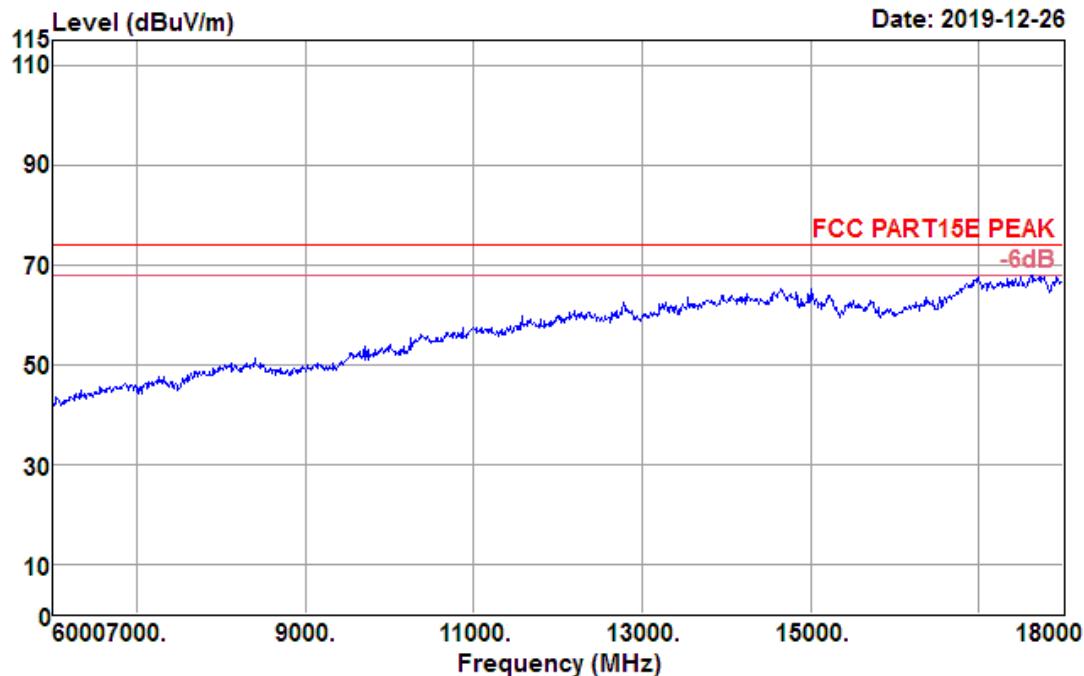
Data: 105



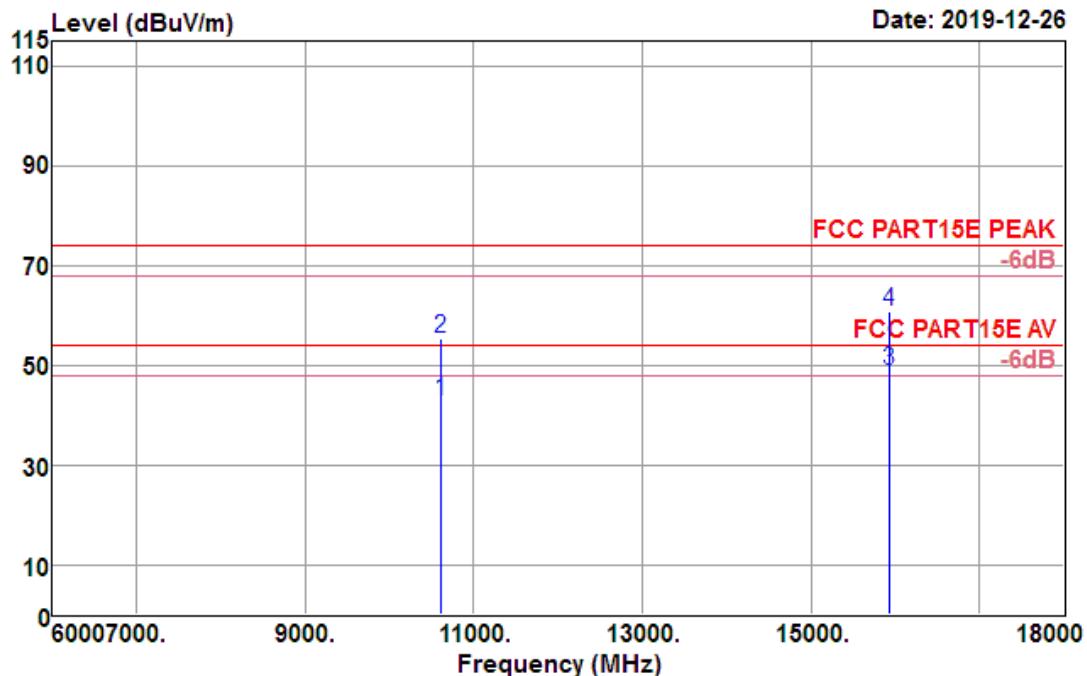
Freq MHz	Reading dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5310.000	80.06	31.95	5.71	35.23	82.49	74.00	8.49	Peak

<b>Test Mode :</b>	802.11 n HT40 CH62 5310MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Vertical

Data: 101



Data: 102

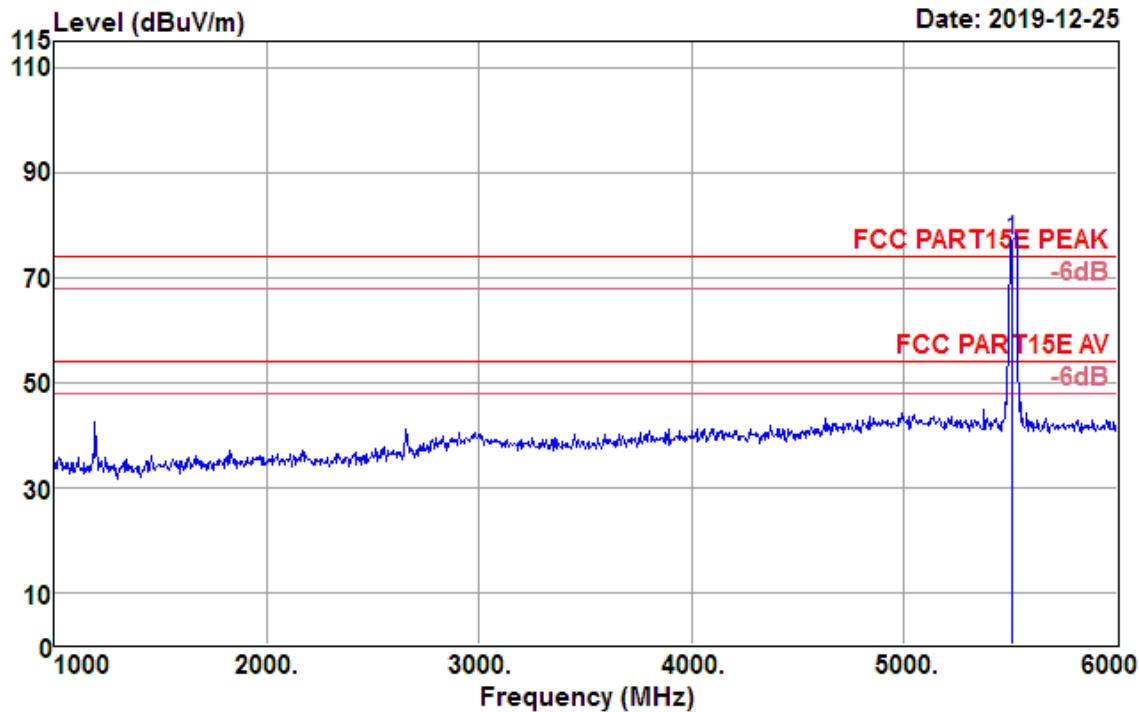


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Limit level dBuV/m	Over limit dB	Remark
10620.000	25.93	39.62	12.24	35.04	42.75	54.00	-11.25 Average
10620.000	38.59	39.62	12.24	35.04	55.41	74.00	-18.59 Peak
15930.000	26.87	37.82	15.93	31.73	48.89	54.00	-5.11 Average
15930.000	38.62	37.82	15.93	31.73	60.64	74.00	-13.36 Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

<b>Test Mode :</b>	802.11 n HT40 CH102 5510MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Horizontal

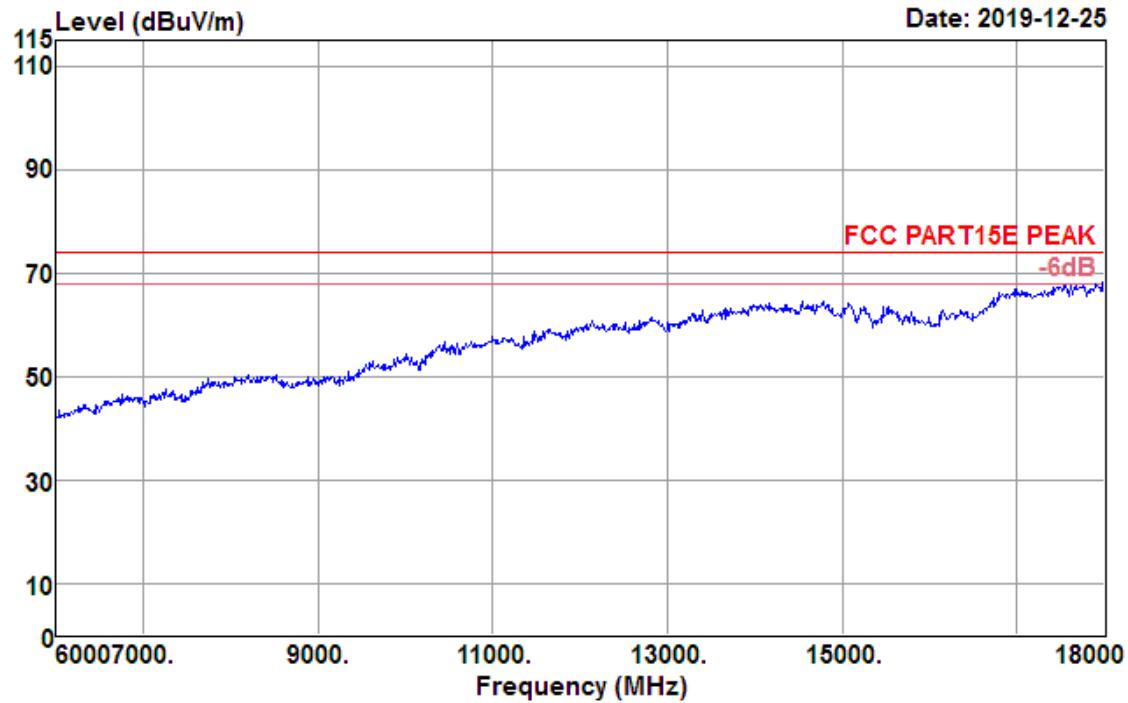
Data: 52



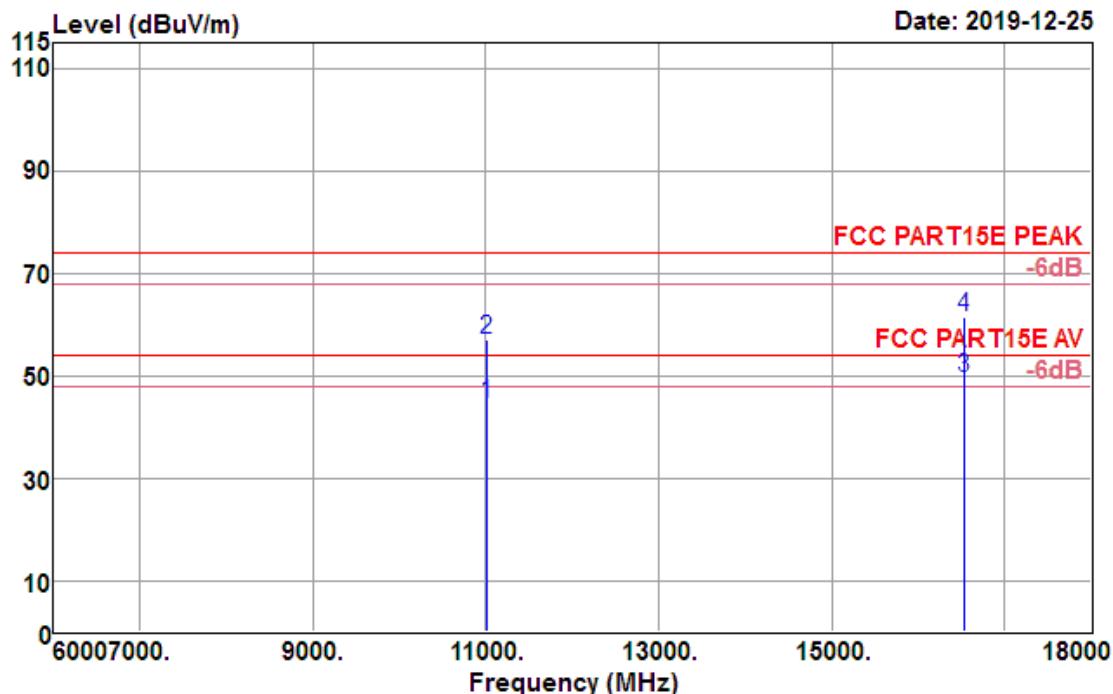
Freq MHz	Reading dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Limit level dBuV/m	Over limit dB	Remark
5510.000	74.78	32.11	5.84	35.57	77.16	74.00	3.16 Peak

<b>Test Mode :</b>	802.11 n HT40 CH102 5510MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Horizontal

Data: 53



Data: 54

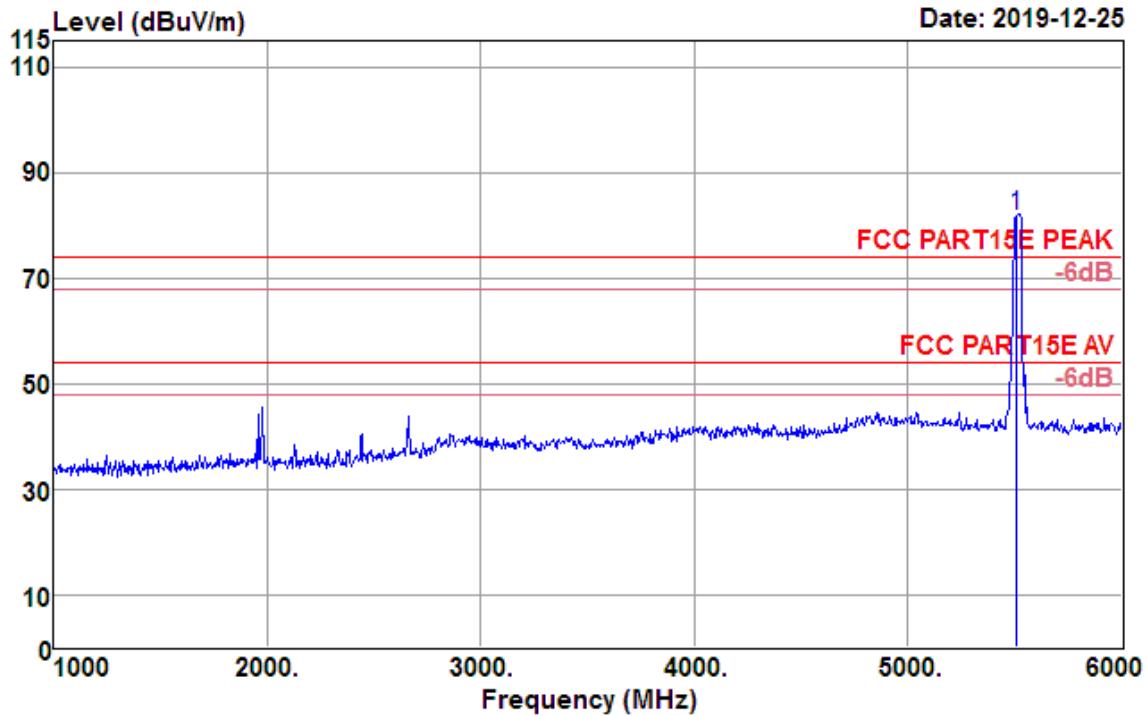


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
11020.000	25.79	40.28	12.71	34.18	44.60	54.00	-9.40	Average
11020.000	38.21	40.28	12.71	34.18	57.02	74.00	-16.98	Peak
16530.000	25.42	39.67	15.83	31.44	49.48	54.00	-4.52	Average
16530.000	37.45	39.67	15.83	31.44	61.51	74.00	-12.49	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

<b>Test Mode :</b>	802.11 n HT40 CH102 5510MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Vertical

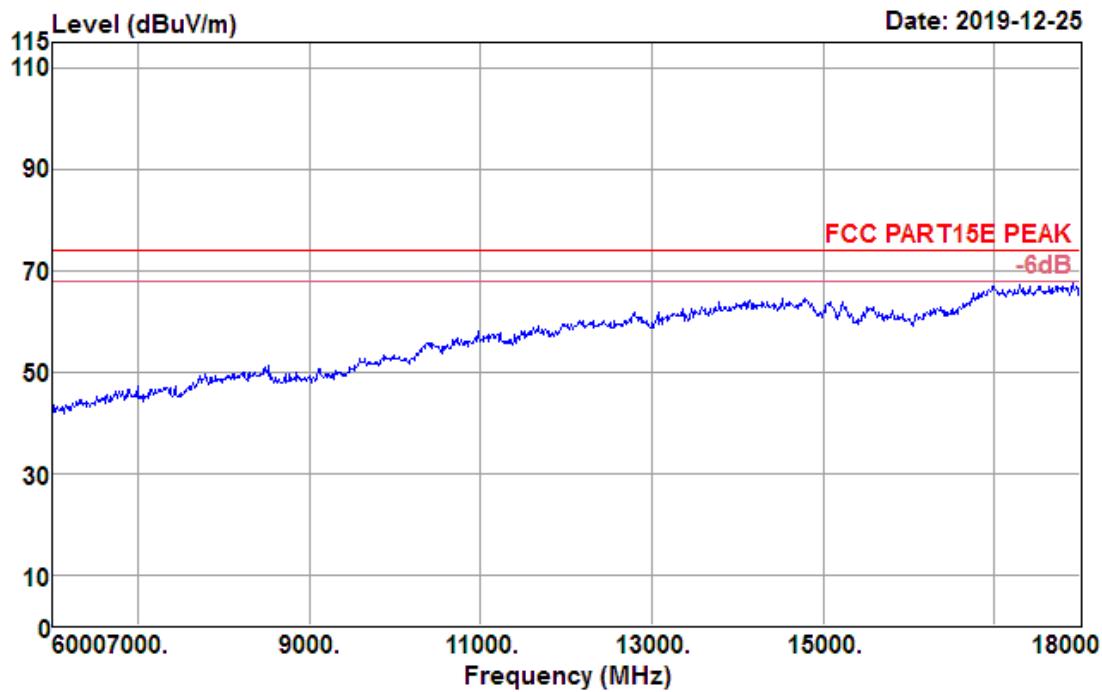
Data: 49



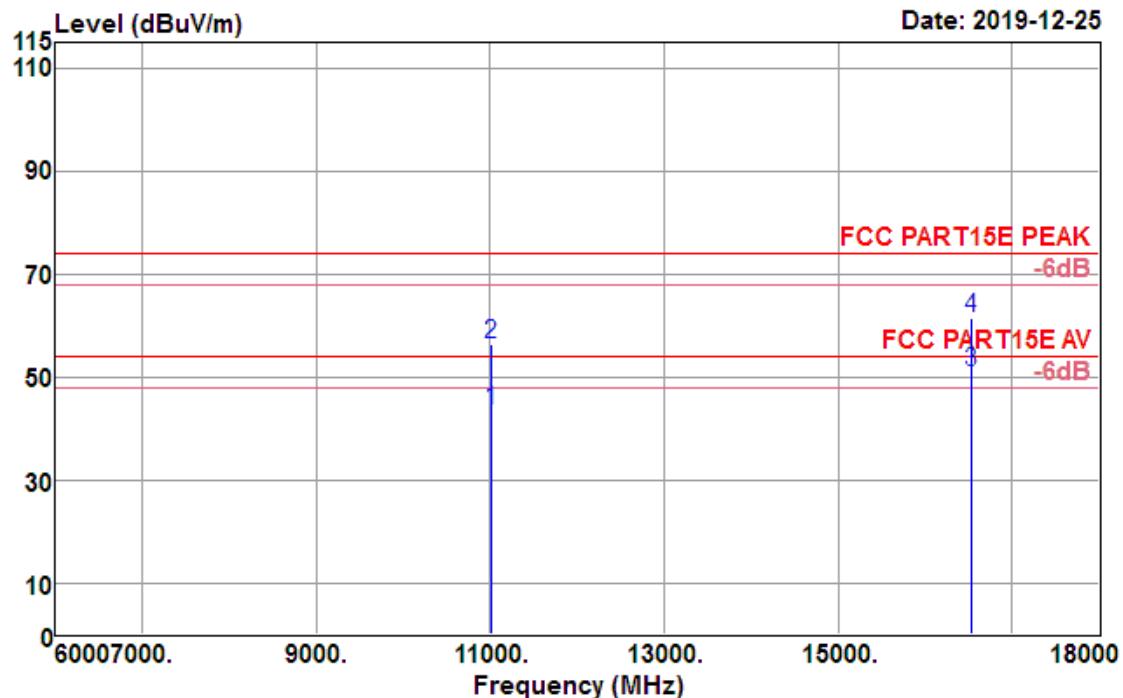
Freq MHz	Reading dBuV	Antenna factor	Cable loss	Preamp factor	Limit dBuV/m	Over limit dB	Remark
5510.000	79.51	32.11	5.84	35.57	81.89	74.00	7.89 Peak

<b>Test Mode :</b>	802.11 n HT40 CH102 5510MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Vertical

Data: 55



Data: 56

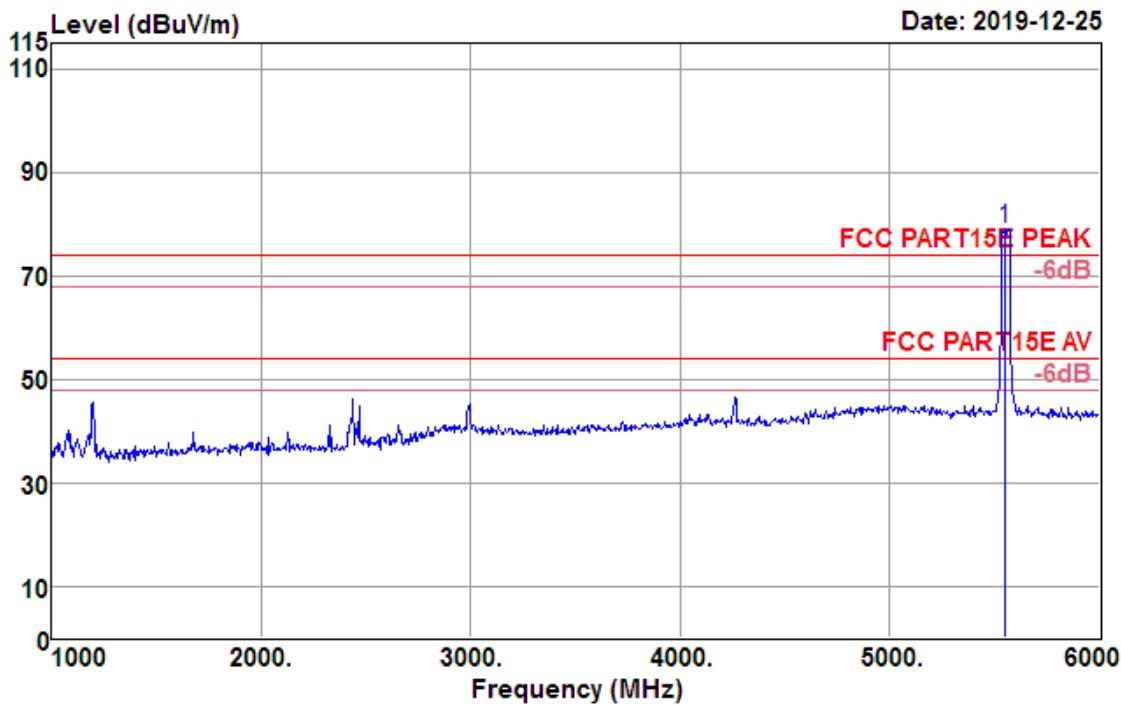


Freq MHz	Reading dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Level dBuV/m	Limit dBuV/m	Over limit dB	Remark
11020.000	24.51	40.28	12.71	34.18	43.32	54.00	-10.68	Average
11020.000	37.47	40.28	12.71	34.18	56.28	74.00	-17.72	Peak
16530.000	26.92	39.67	15.83	31.44	50.98	54.00	-3.02	Average
16530.000	37.50	39.67	15.83	31.44	61.56	74.00	-12.44	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

<b>Test Mode :</b>	802.11 n HT40 CH110 5550MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Horizontal

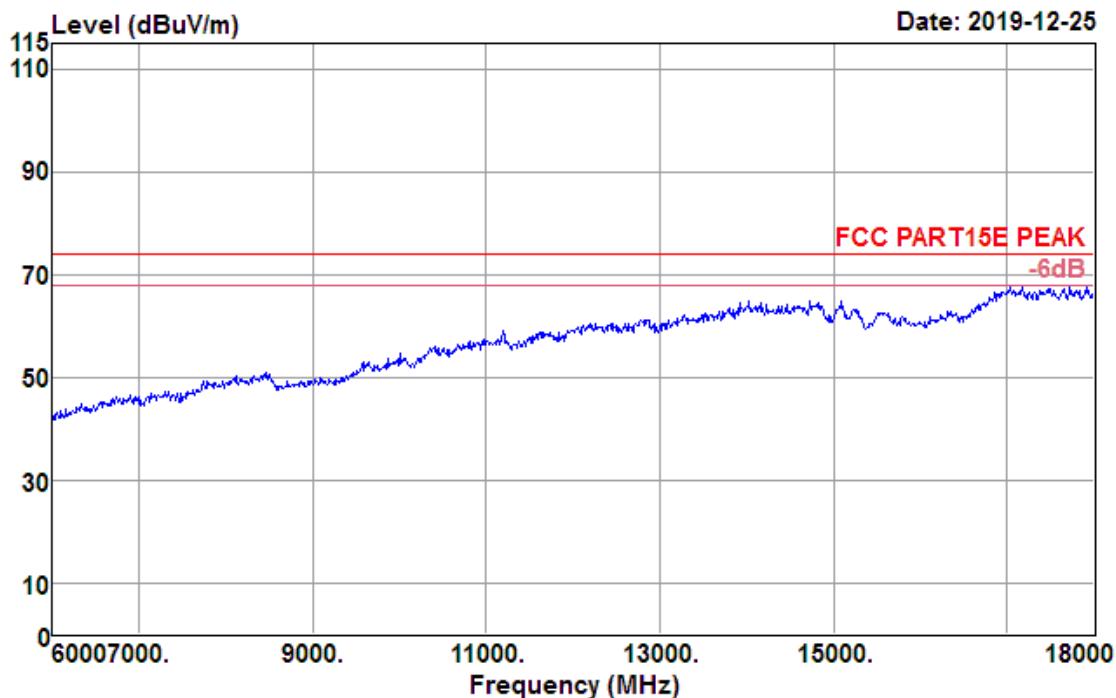
Data: 57



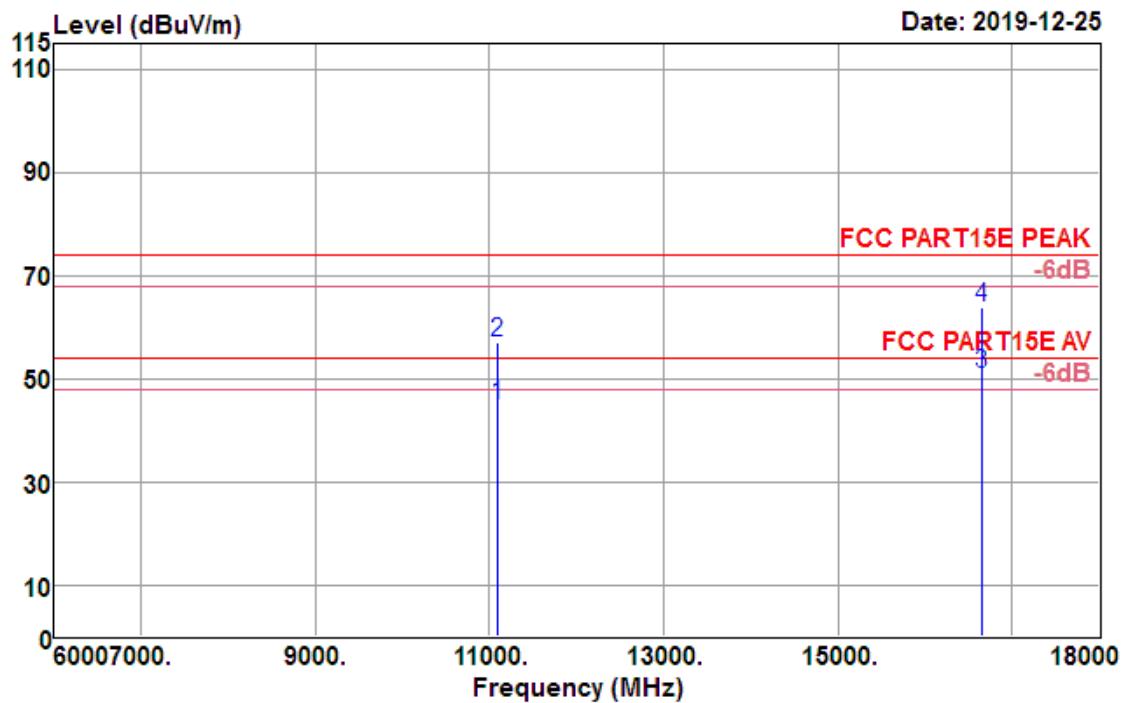
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Preamp level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5550.000	76.56	32.14	5.89	35.64	78.95	74.00	4.95	Peak

<b>Test Mode :</b>	802.11 n HT20 CH64 5320MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Horizontal

Data: 61



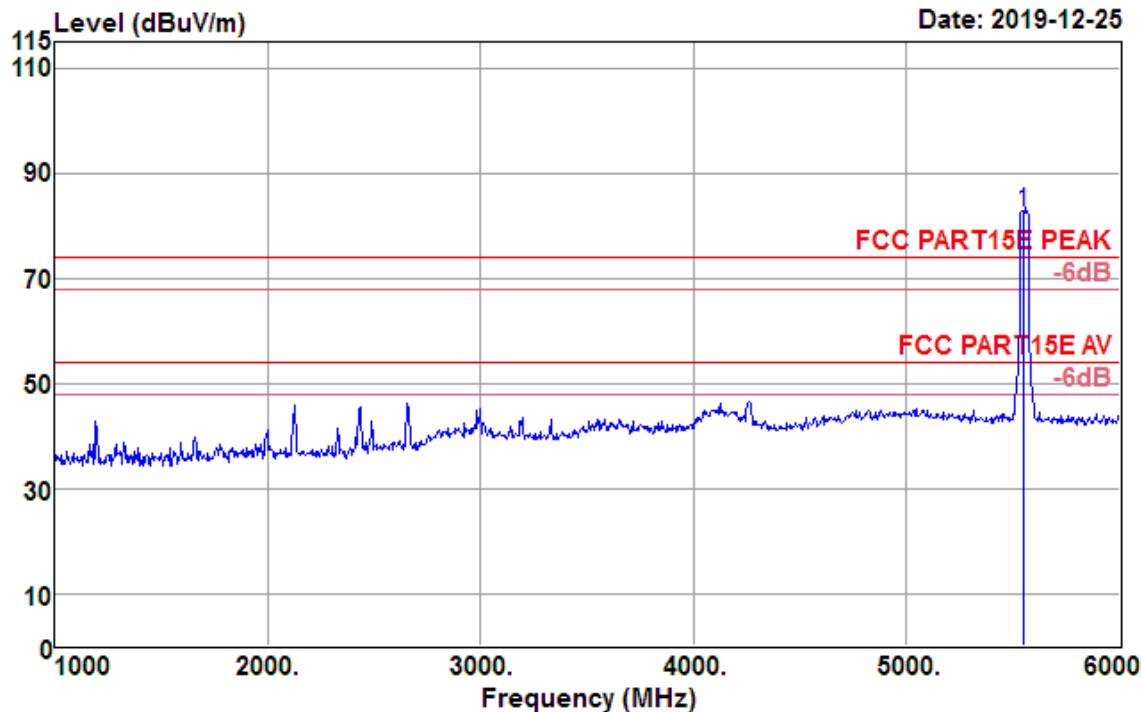
Data: 62



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

<b>Test Mode :</b>	802.11 n HT40 CH110 5550MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Vertical

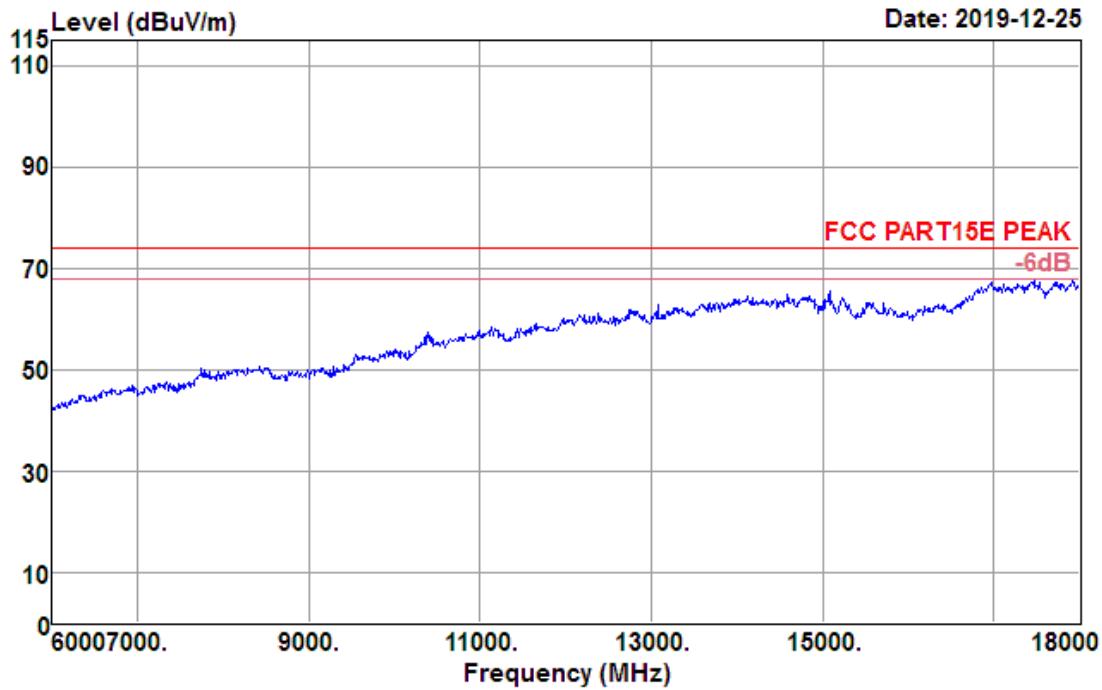
Data: 58



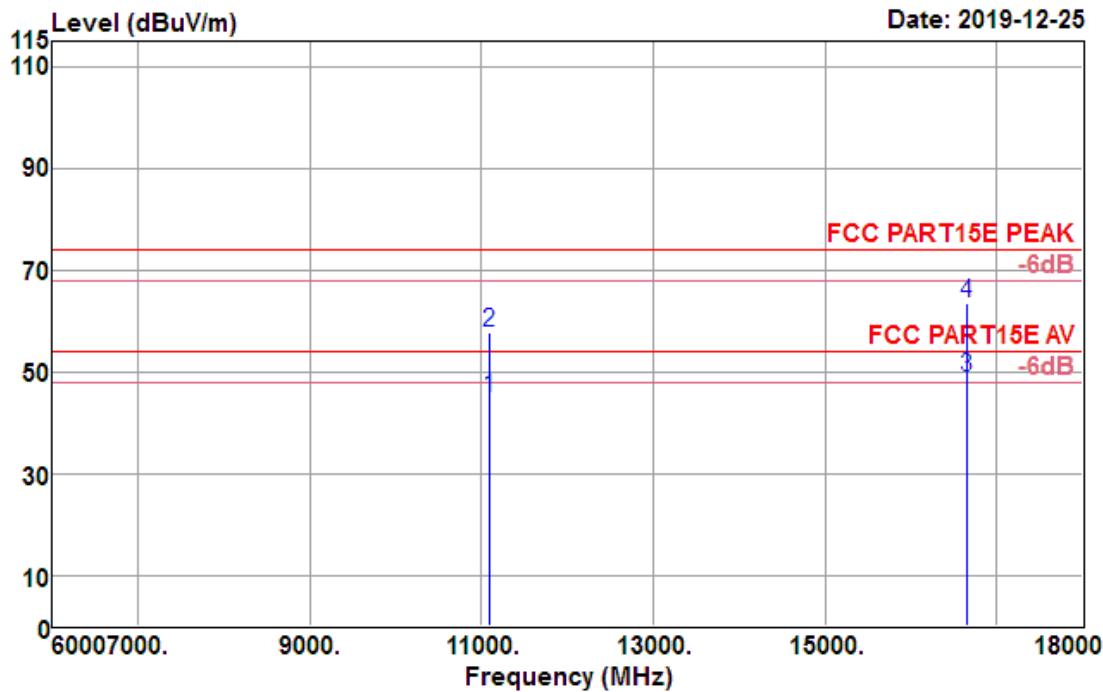
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5550.000	80.14	32.14	5.89	35.64	82.53	74.00	8.53	Peak

<b>Test Mode :</b>	802.11 n HT40 CH110 5550MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Vertical

Data: 59



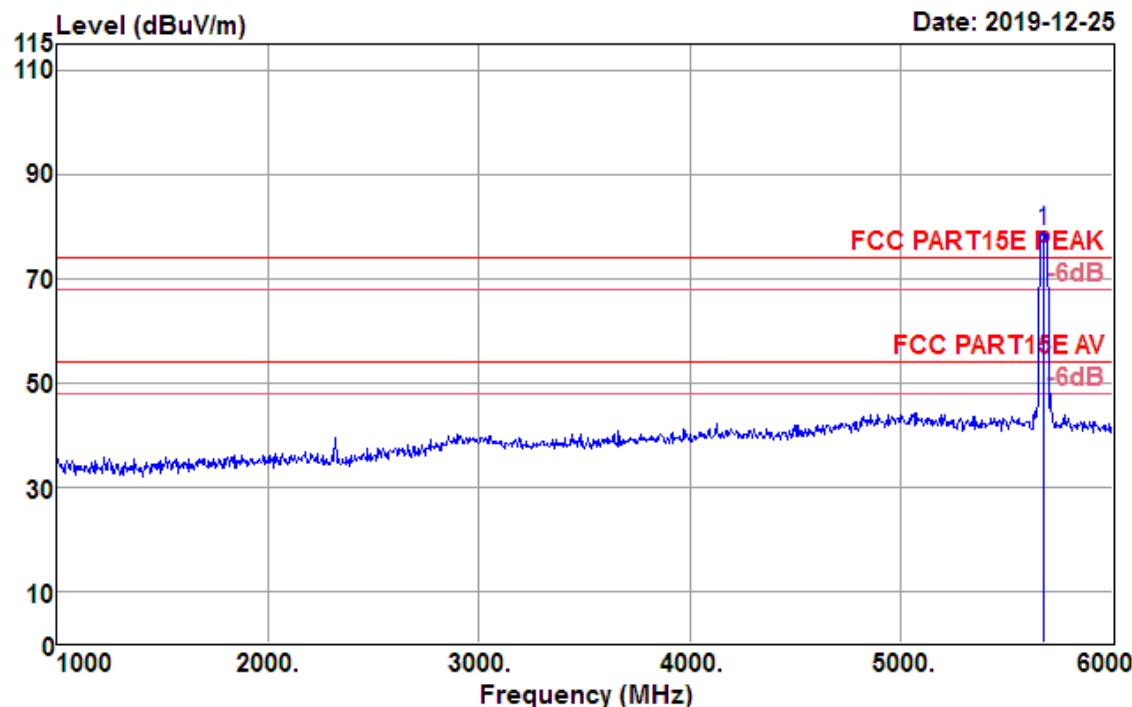
Data: 60



Freq MHz	Reading dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
11100.000	25.82	40.22	12.82	34.11	44.75	54.00	-9.25	Average
11100.000	38.63	40.22	12.82	34.11	57.56	74.00	-16.44	Peak
16650.000	23.52	40.13	16.69	31.38	48.96	54.00	-5.04	Average
16650.000	38.05	40.13	16.69	31.38	63.49	74.00	-10.51	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

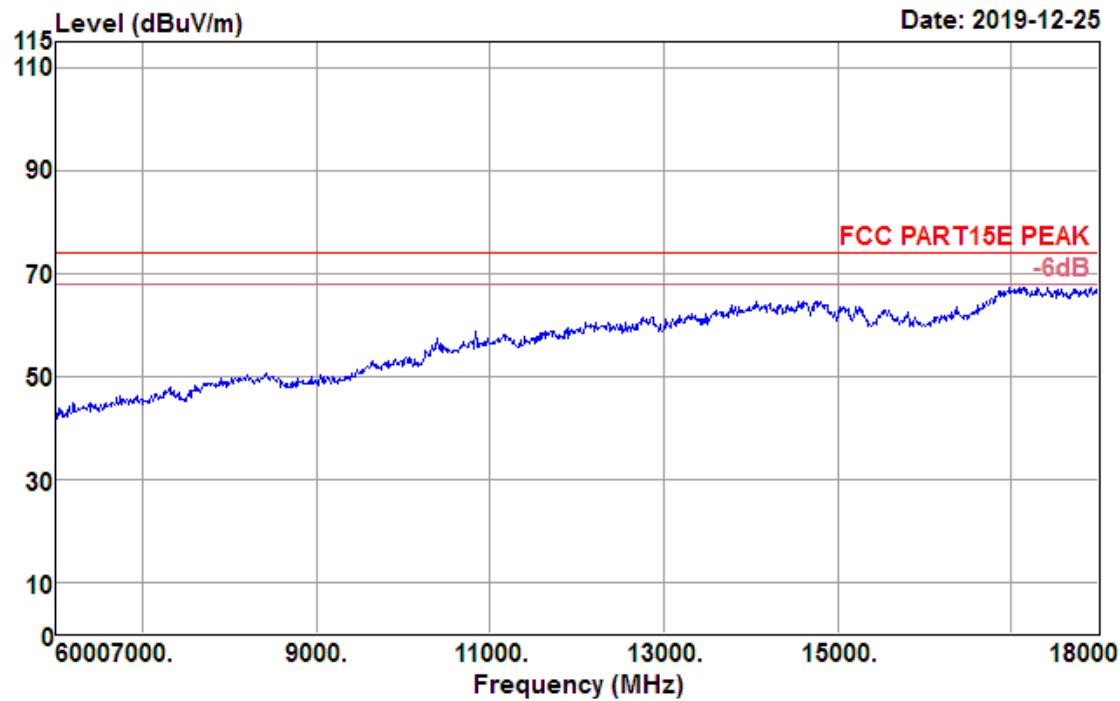
<b>Test Mode :</b>	802.11 n HT40 CH134 5670MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Horizontal

**Data: 68**


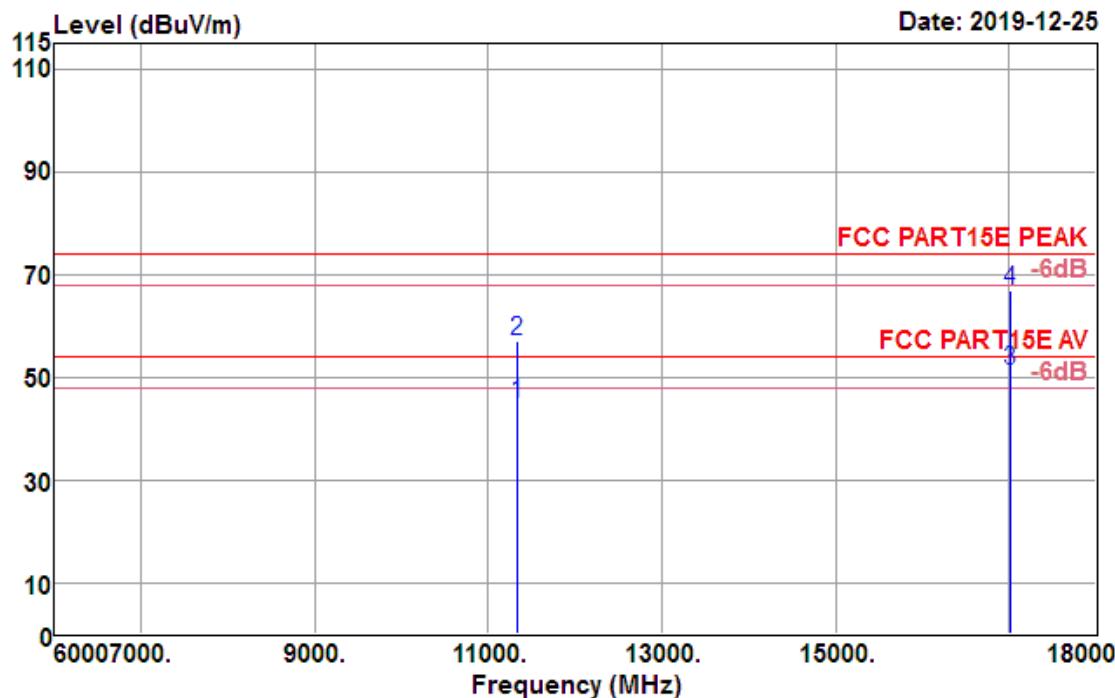
Freq MHz	Reading dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5670.000	76.68	32.24	6.00	35.84	79.08	74.00	5.08	Peak

<b>Test Mode :</b>	802.11 n HT40 CH134 5670MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Horizontal

Data: 69



Data: 70

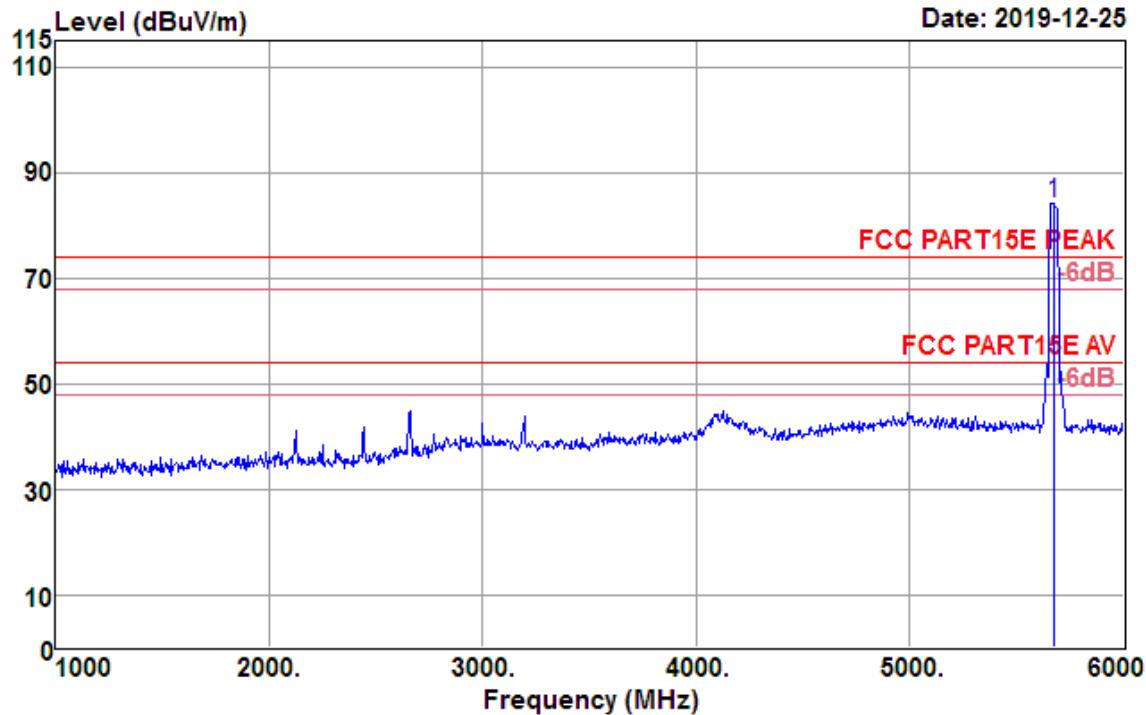


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
11340.000	25.60	40.03	13.14	33.89	44.88	54.00	-9.12	Average
11340.000	37.61	40.03	13.14	33.89	56.89	74.00	-17.11	Peak
17010.000	21.55	41.57	19.15	31.19	51.08	54.00	-2.92	Average
17010.000	37.41	41.57	19.15	31.19	66.94	74.00	-7.06	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

<b>Test Mode :</b>	802.11 n HT40 CH134 5670MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Vertical

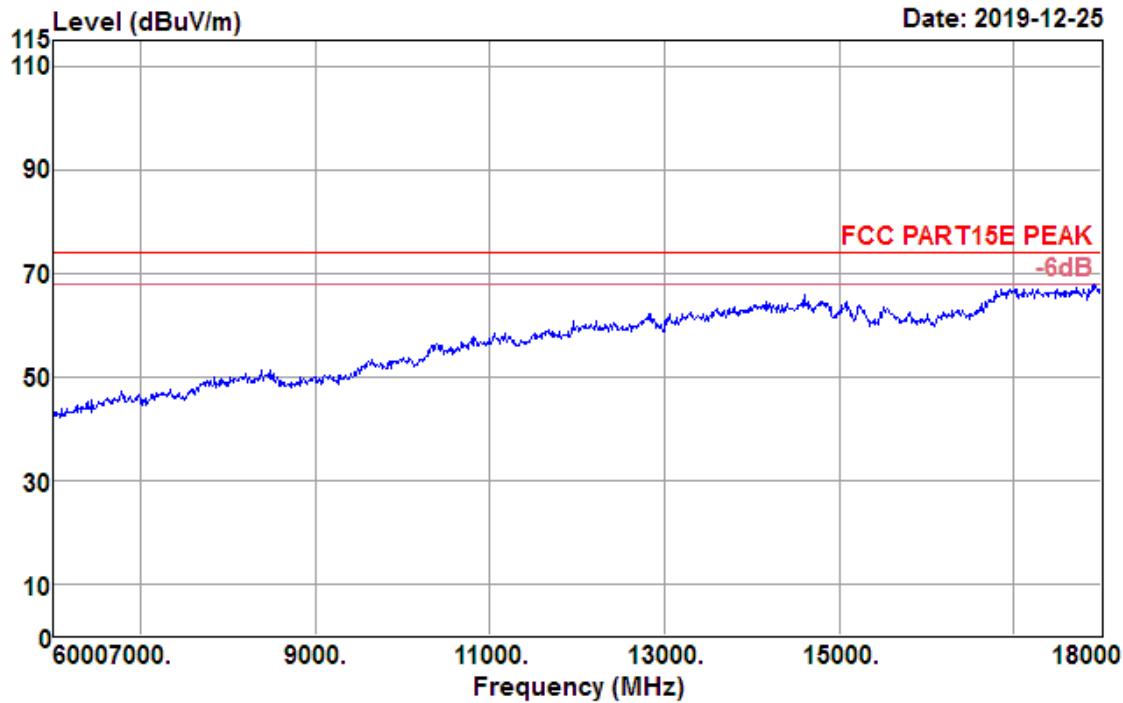
Data: 65



Freq MHz	Reading dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Preamp level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5670.000	81.73	32.24	6.00	35.84	84.13	74.00	10.13	Peak

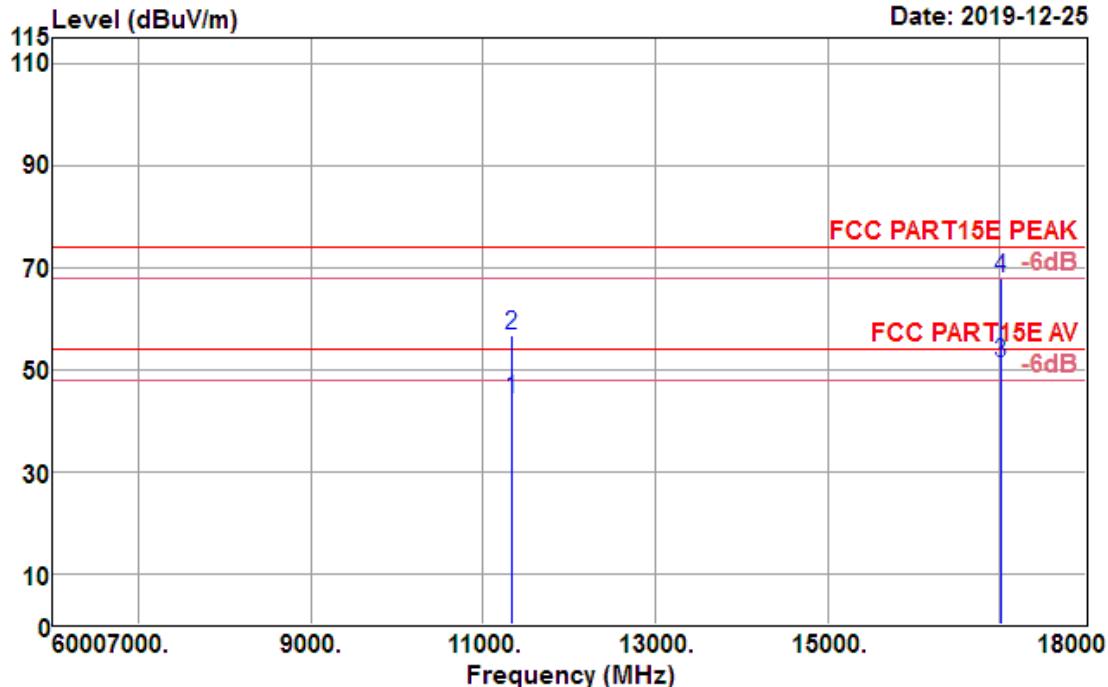
<b>Test Mode :</b>	802.11 n HT40 CH134 5670MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Vertical

Data: 71



Data: 72

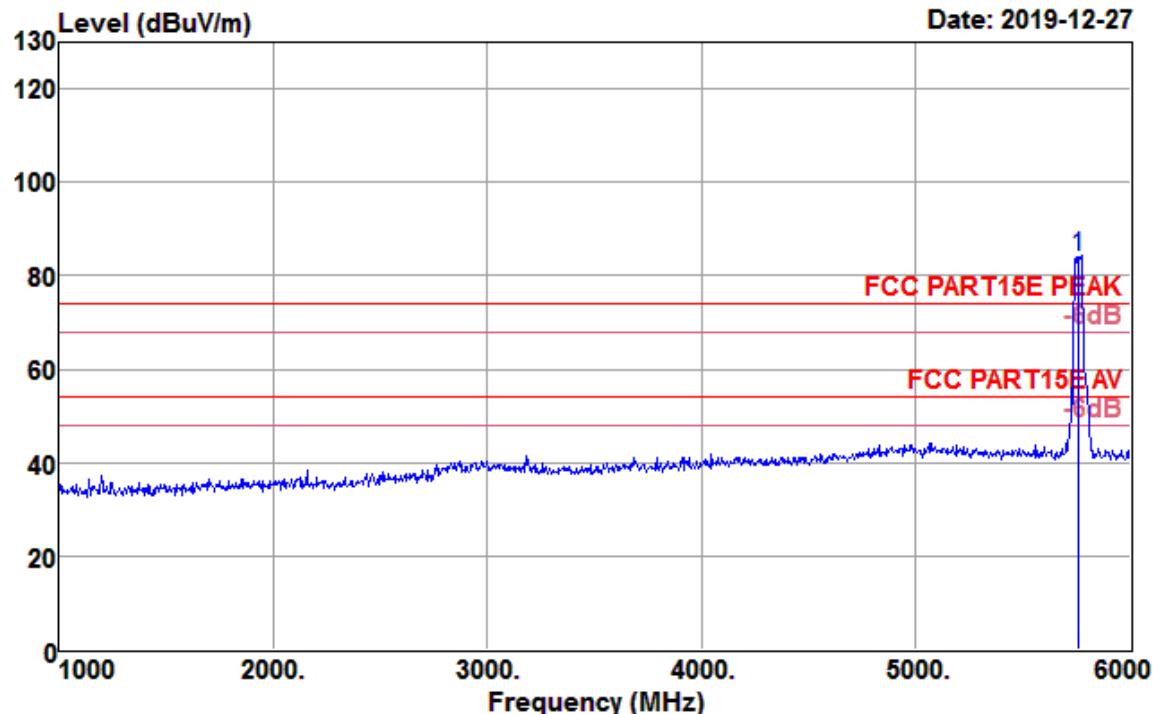
Date: 2019-12-25



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Preamp level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
11340.000	24.93	40.03	13.14	33.89	44.21	54.00	-9.79	Average
11340.000	37.37	40.03	13.14	33.89	56.65	74.00	-17.35	Peak
17010.000	21.58	41.57	19.15	31.19	51.11	54.00	-2.89	Average
17010.000	38.37	41.57	19.15	31.19	67.90	74.00	-6.10	Peak

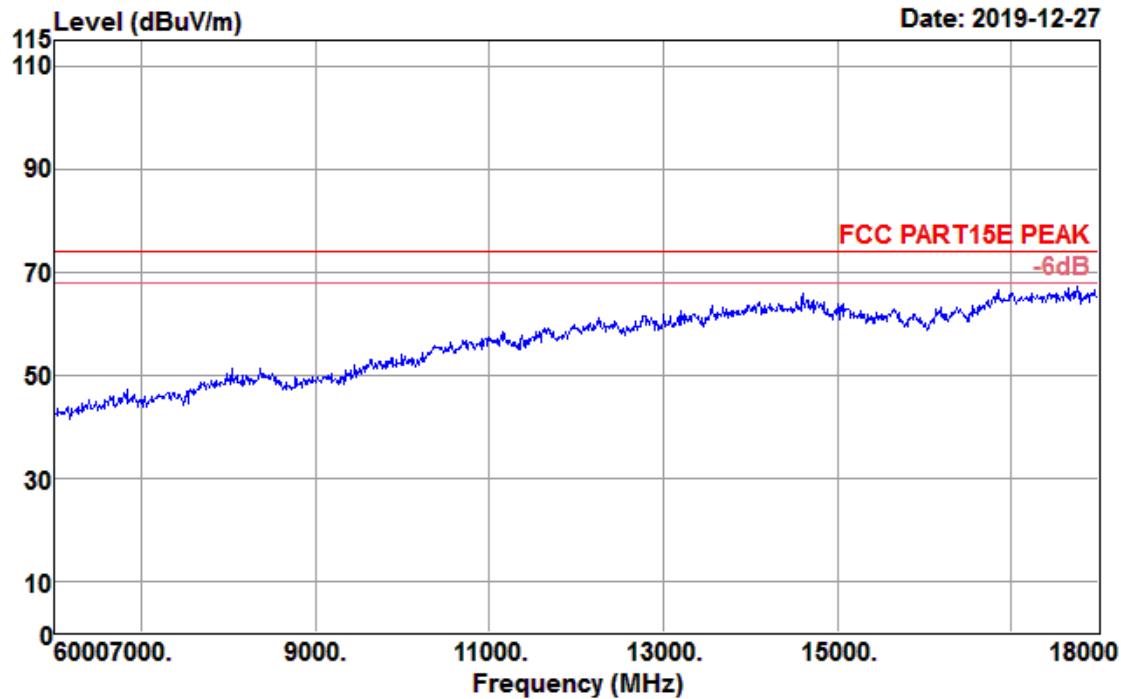
Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

<b>Test Mode :</b>	802.11 n HT40 CH151 5755MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Horizontal

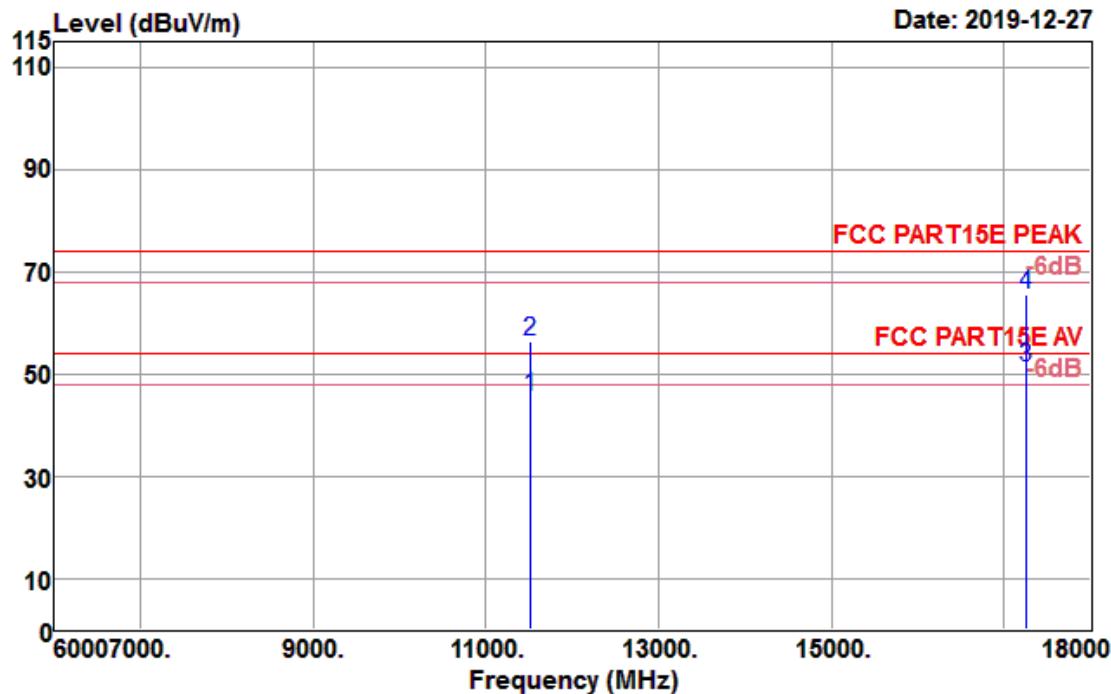
**Data: 59**


Freq MHz	Reading dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Preamp level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5755.000	81.64	32.30	6.06	35.98	84.02	74.00	10.02	Peak

<b>Test Mode :</b>	802.11 n HT40 CH151 5755MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Horizontal

**Data: 53**

Data: 54

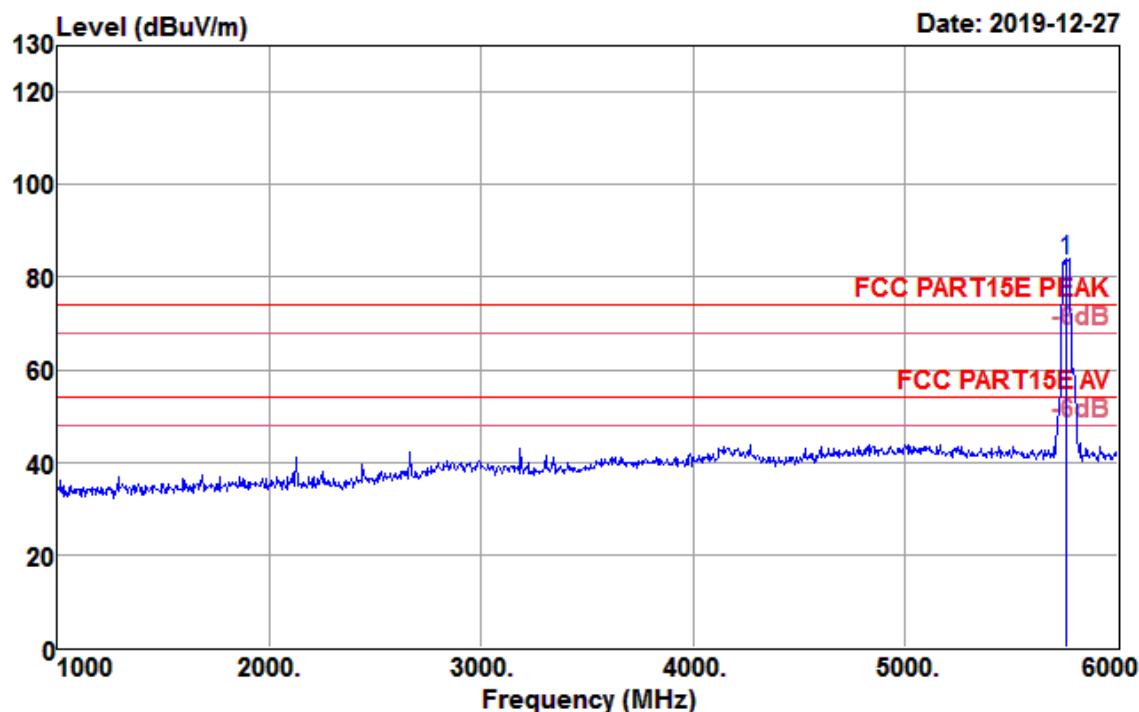


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
11510.000	25.91	39.89	13.39	33.74	45.45	54.00	-8.55	Average
11510.000	36.89	39.89	13.39	33.74	56.43	74.00	-17.57	Peak
17265.000	21.27	43.38	17.56	31.04	51.17	54.00	-2.83	Average
17265.000	35.65	43.38	17.56	31.04	65.55	74.00	-8.45	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

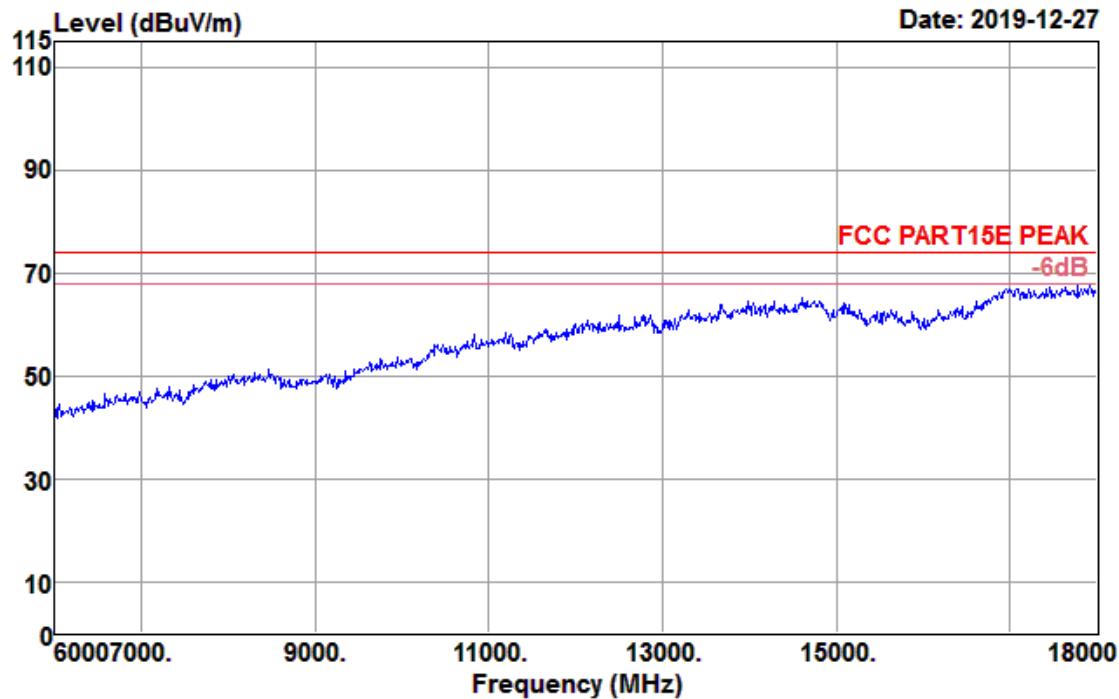
<b>Test Mode :</b>	802.11 n HT40 CH151 5755MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Vertical

Data: 62



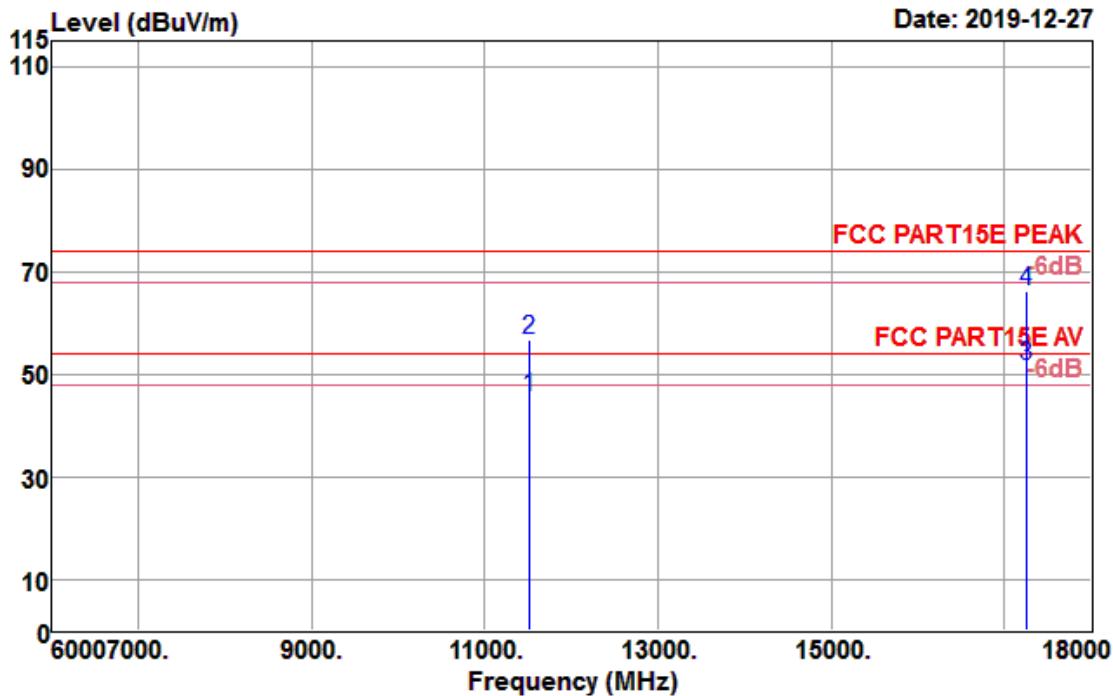
Freq MHz	Reading dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5755.000	81.42	32.30	6.06	35.98	83.80	74.00	9.80	Peak

<b>Test Mode :</b>	802.11 n HT40 CH151 5755MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Vertical

**Data: 55**

Data: 56

Date: 2019-12-27

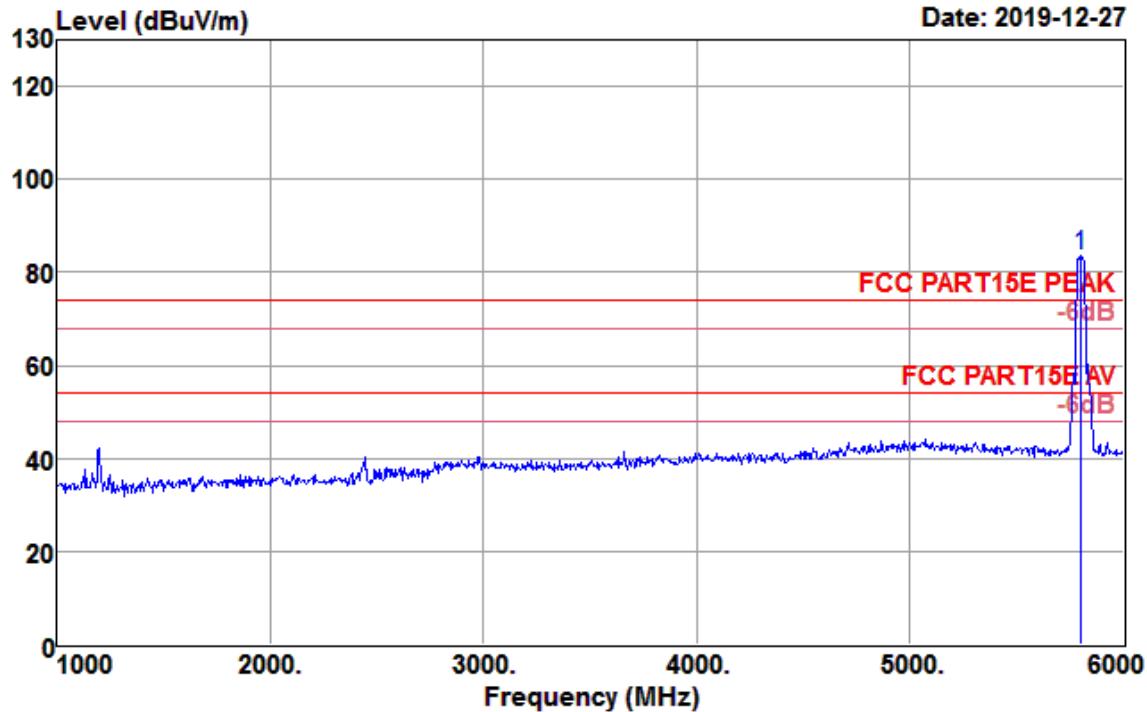


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Preamp level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
11510.000	25.80	39.89	13.39	33.74	45.34	54.00	-8.66	Average
11510.000	37.26	39.89	13.39	33.74	56.80	74.00	-17.20	Peak
17265.000	21.67	43.38	17.56	31.04	51.57	54.00	-2.43	Average
17265.000	36.28	43.38	17.56	31.04	66.18	74.00	-7.82	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

<b>Test Mode :</b>	802.11 n HT40 CH159 5795MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Horizontal

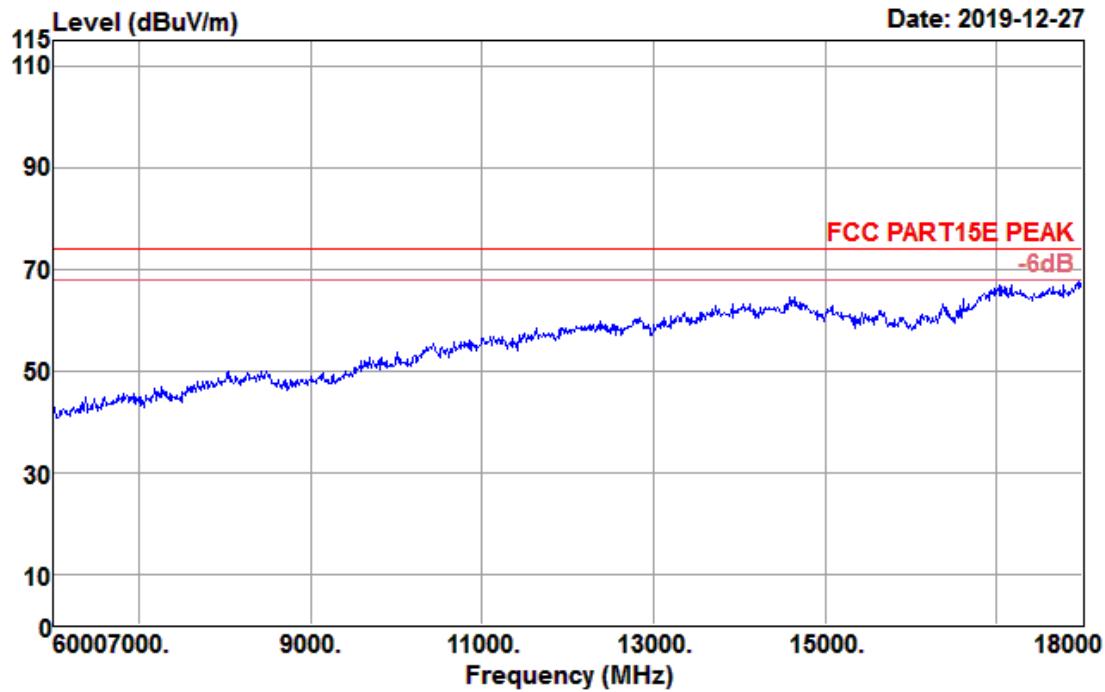
**Data: 72**



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Preamp level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5795.000	81.05	32.34	6.10	36.05	83.44	74.00	9.44	Peak

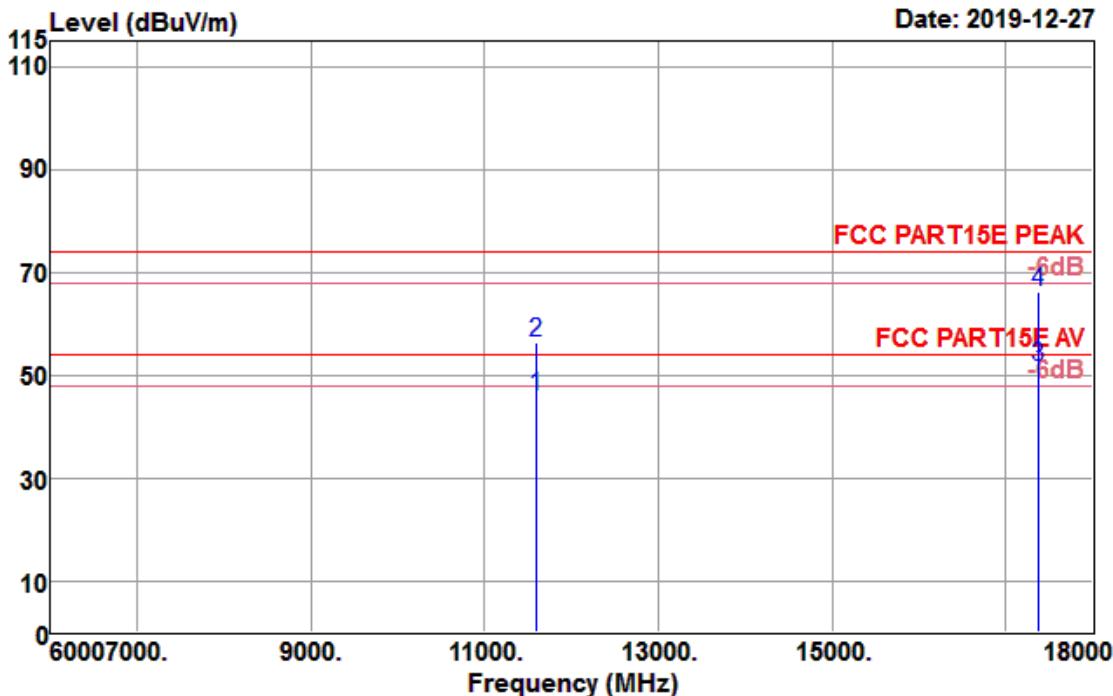
<b>Test Mode :</b>	802.11 n HT40 CH159 5795MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Horizontal

Data: 65



Data: 66

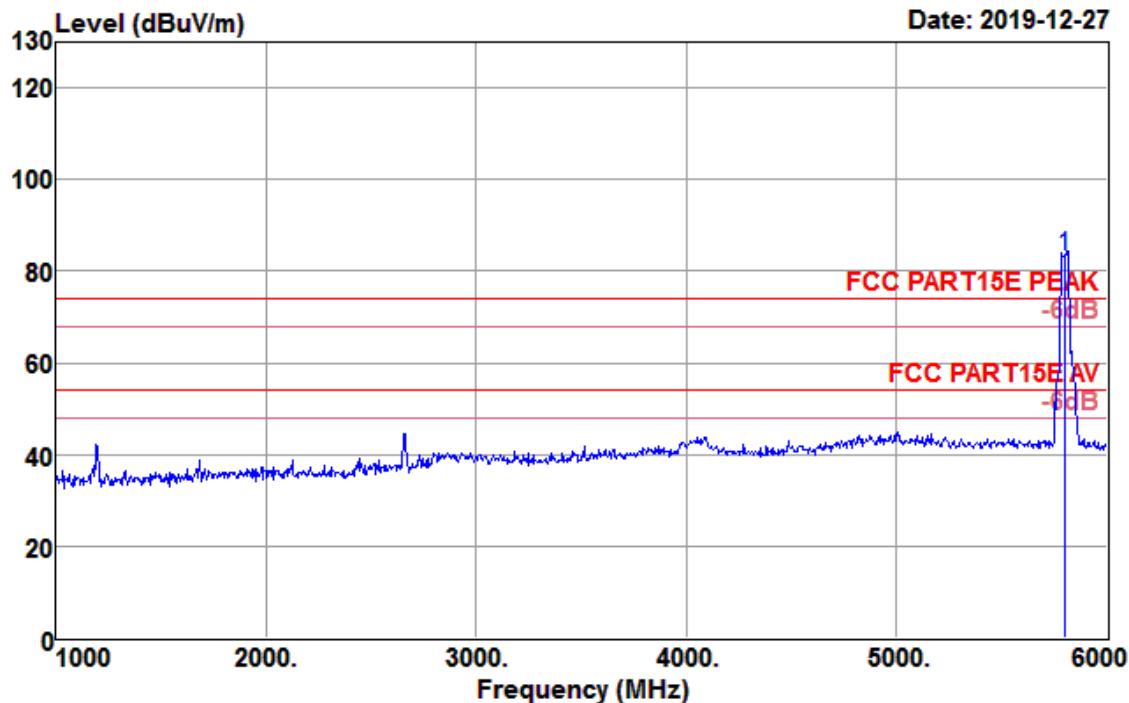
Date: 2019-12-27



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
11590.000	25.93	39.83	13.60	33.67	45.69	54.00	-8.31	Average
11590.000	36.41	39.83	13.60	33.67	56.17	74.00	-17.83	Peak
17385.000	21.34	44.23	16.81	30.97	51.41	54.00	-2.59	Average
17385.000	36.19	44.23	16.81	30.97	66.26	74.00	-7.74	Peak

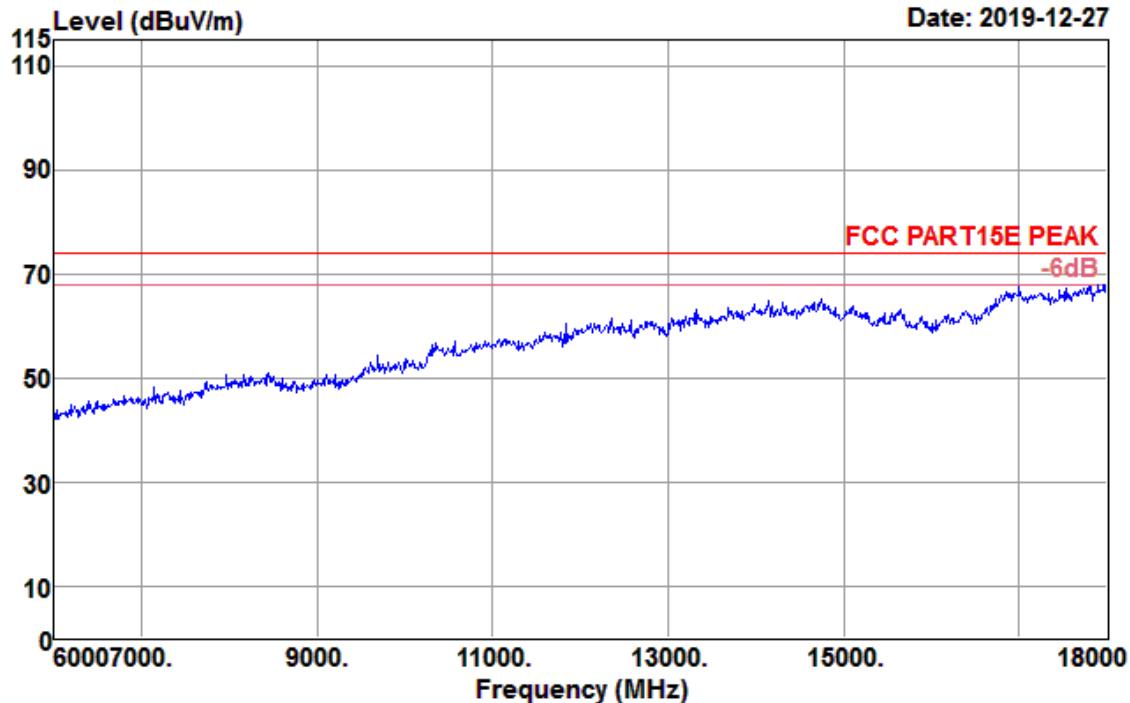
Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

<b>Test Mode :</b>	802.11 n HT40 CH159 5795MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Vertical

**Data: 69**


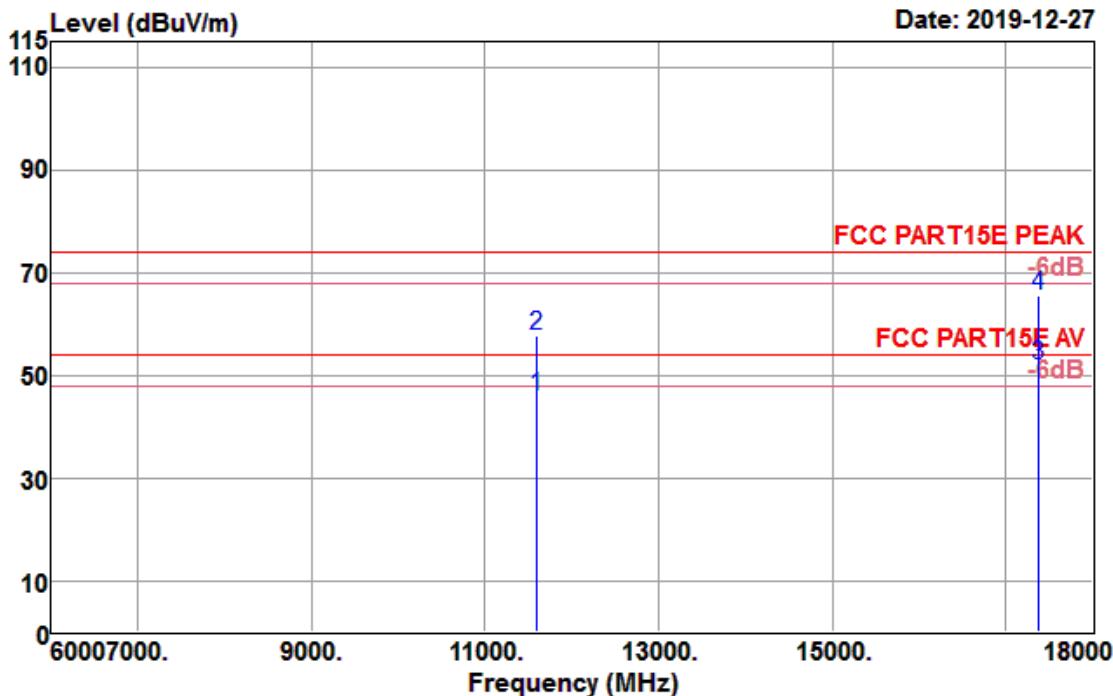
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5795.000	80.80	32.34	6.10	36.05	83.19	74.00	9.19	Peak

<b>Test Mode :</b>	802.11 n HT40 CH159 5795MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Vertical

**Data: 63**

Data: 64

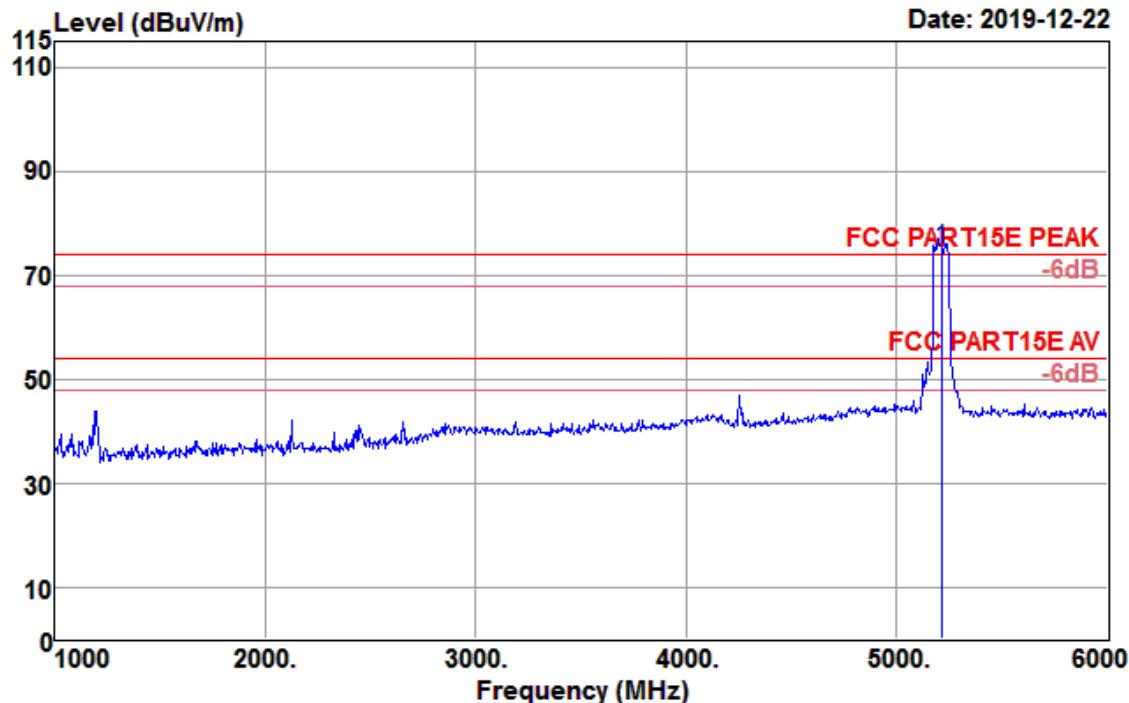
Date: 2019-12-27



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
11590.000	26.10	39.83	13.60	33.67	45.86	54.00	-8.14	Average
11590.000	37.92	39.83	13.60	33.67	57.68	74.00	-16.32	Peak
17385.000	21.69	44.23	16.81	30.97	51.76	54.00	-2.24	Average
17385.000	35.51	44.23	16.81	30.97	65.58	74.00	-8.42	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

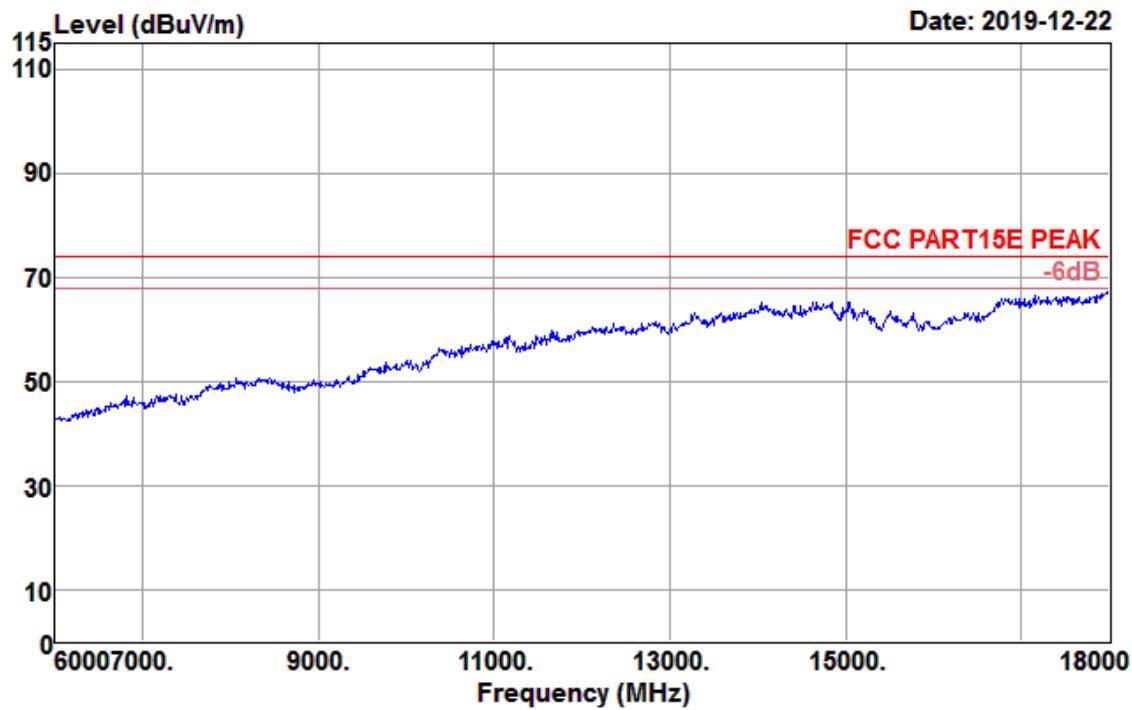
<b>Test Mode :</b>	802.11 ac VHT80 CH42 5210MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Horizontal

**Data: 313**


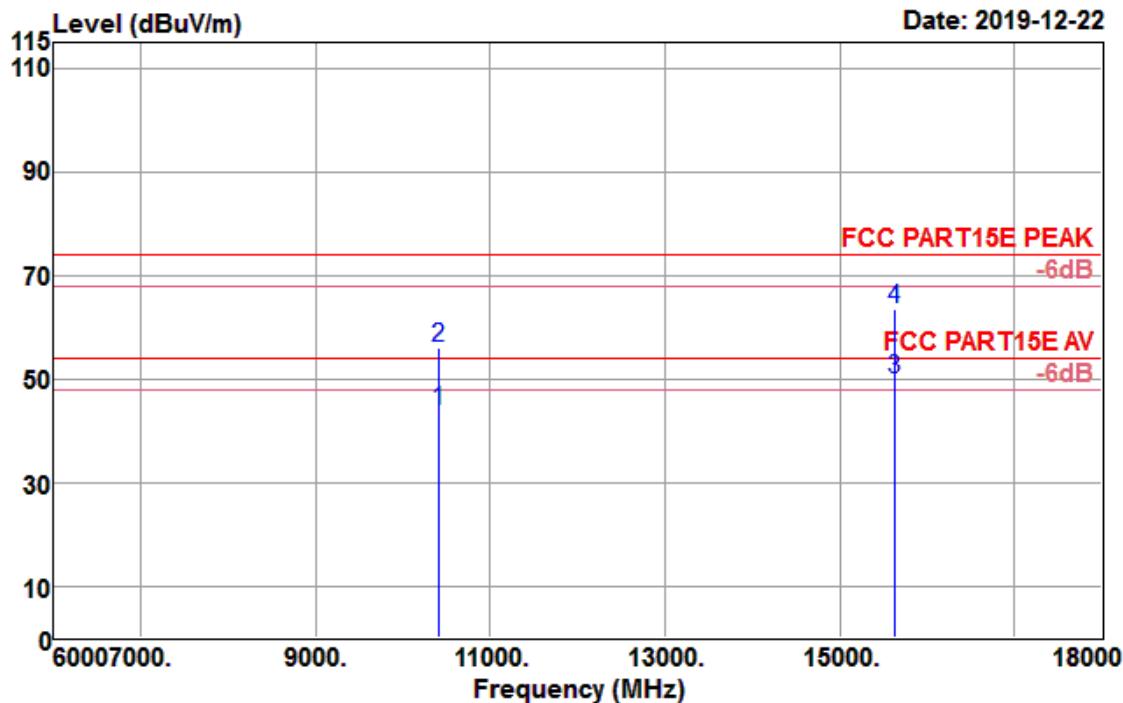
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5210.000	72.42	31.87	5.70	35.06	74.93	74.00	0.93	Peak

<b>Test Mode :</b>	802.11 ac VHT80 CH42 5210MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Horizontal

Data: 308



Data: 309

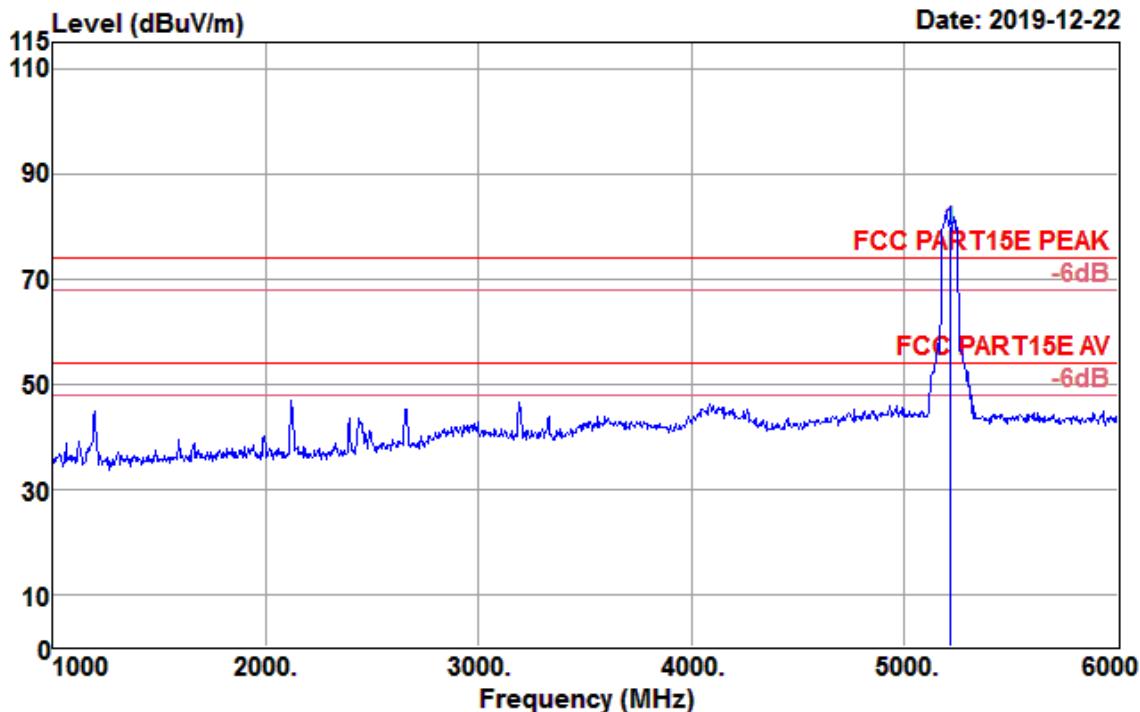


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
10420.000	28.14	39.26	11.98	35.48	43.90	54.00	-10.10	Average
10420.000	40.23	39.26	11.98	35.48	55.99	74.00	-18.01	Peak
15630.000	26.73	38.75	16.24	31.85	49.87	54.00	-4.13	Average
15630.000	40.22	38.75	16.24	31.85	63.36	74.00	-10.64	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

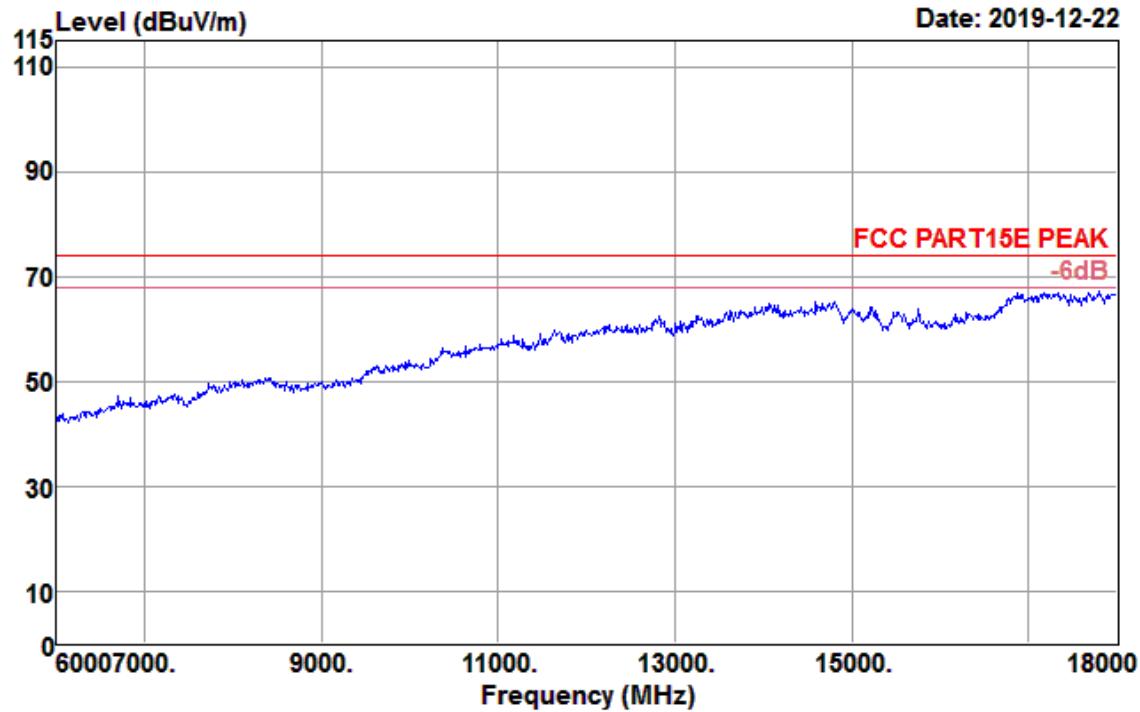
<b>Test Mode :</b>	802.11 ac VHT80 CH42 5210MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Vertical

Data: 312



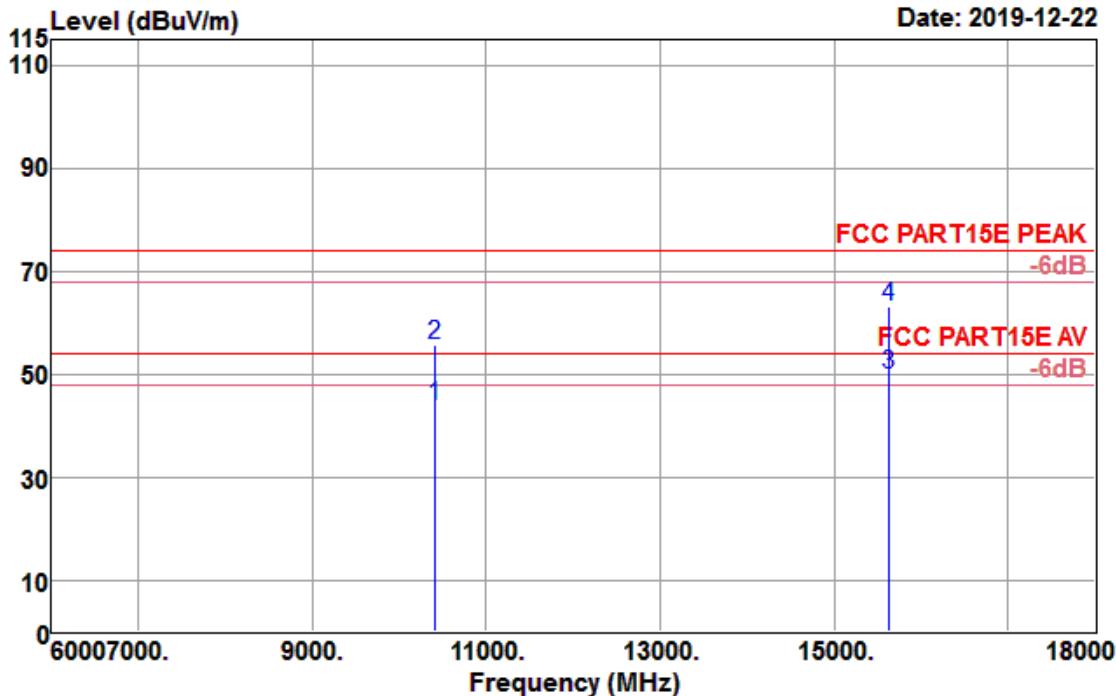
Freq MHz	Reading dBuV	Antenna factor	Cable loss	Preamp factor	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5210.000	76.70	31.87	5.70	35.06	79.21	74.00	5.21	Peak

<b>Test Mode :</b>	802.11 ac VHT80 CH42 5210MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Vertical

**Data: 310**

Data: 311

Date: 2019-12-22

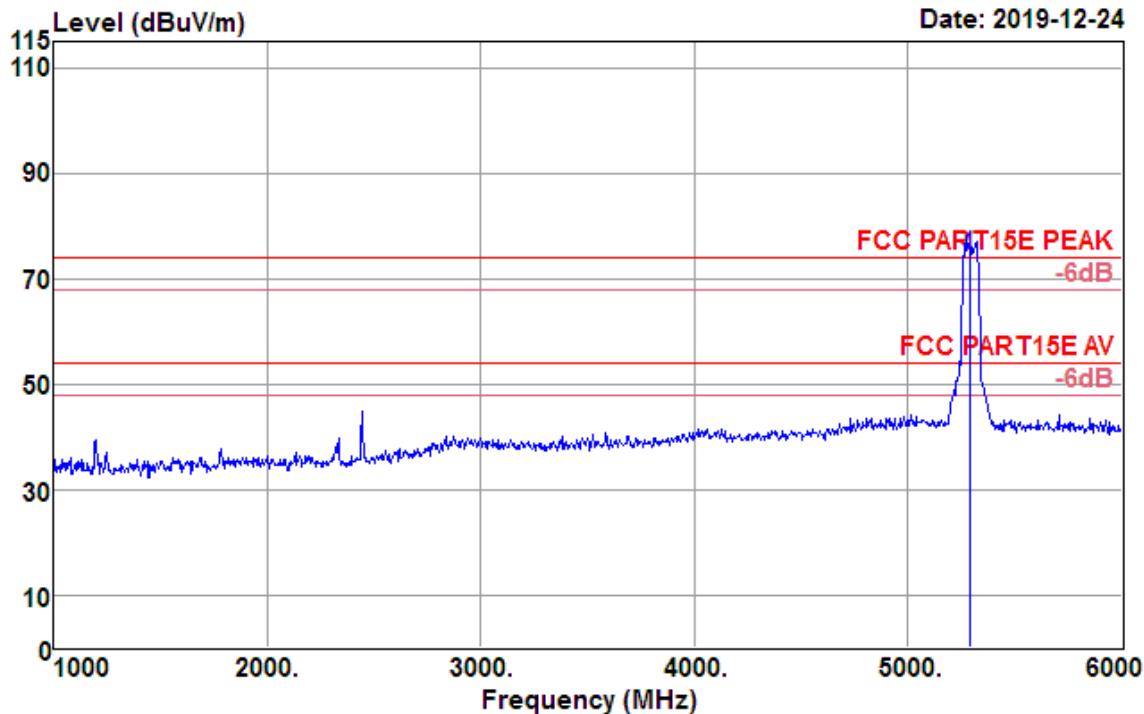


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Preamp level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
10420.000	28.15	39.26	11.98	35.48	43.91	54.00	-10.09	Average
10420.000	40.05	39.26	11.98	35.48	55.81	74.00	-18.19	Peak
15630.000	26.57	38.75	16.24	31.85	49.71	54.00	-4.29	Average
15630.000	39.89	38.75	16.24	31.85	63.03	74.00	-10.97	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

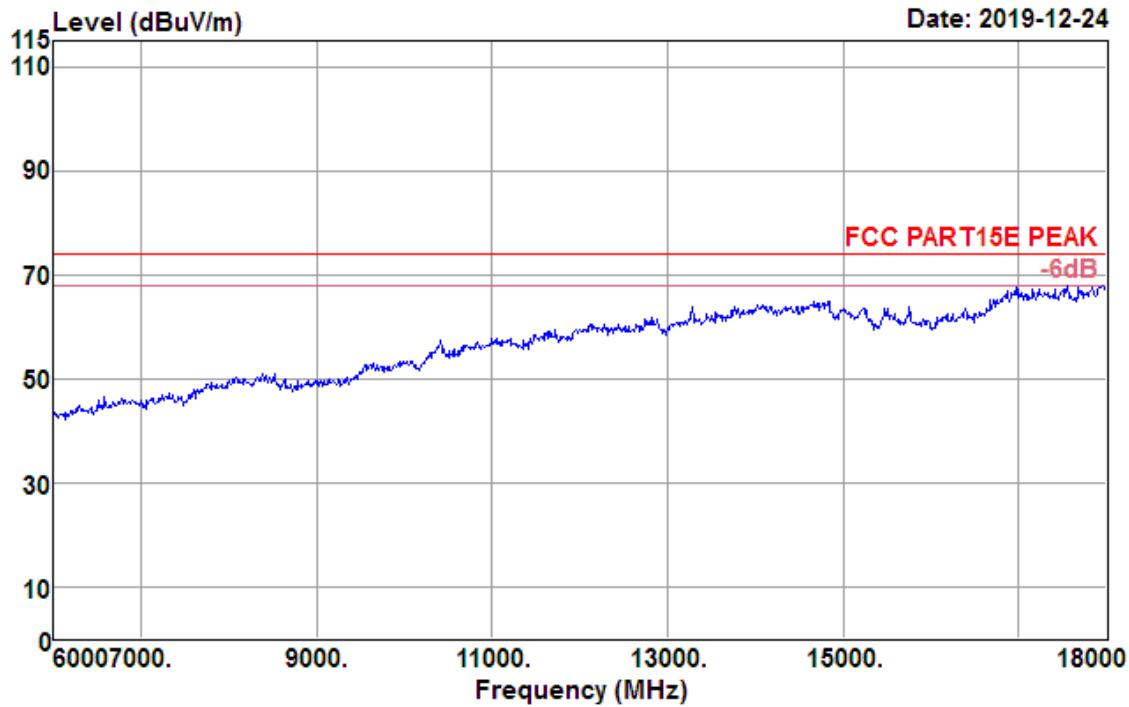
<b>Test Mode :</b>	802.11 ac VHT80 CH58 5290MHz	<b>Temperature :</b>	21~23℃
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Horizontal

Data: 92

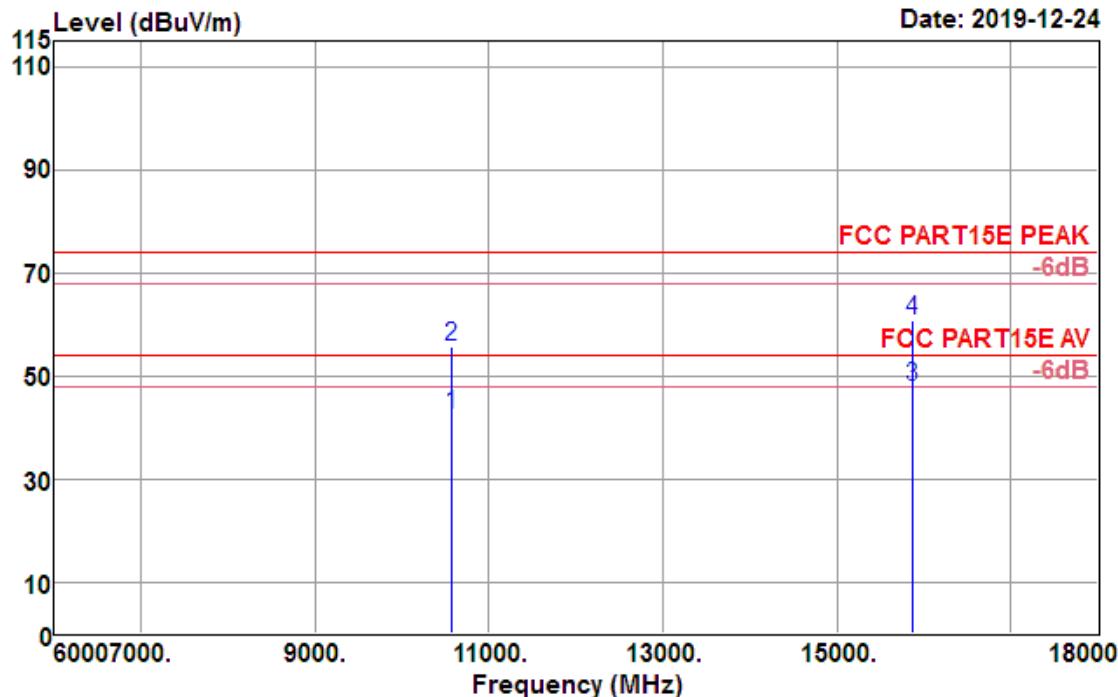


Freq MHz	Reading dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Preamp level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5290.000	71.95	31.93	5.71	35.19	74.40	74.00	0.40	Peak

<b>Test Mode :</b>	802.11 ac VHT80 CH58 5290MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Horizontal

**Data: 83**

Data: 84

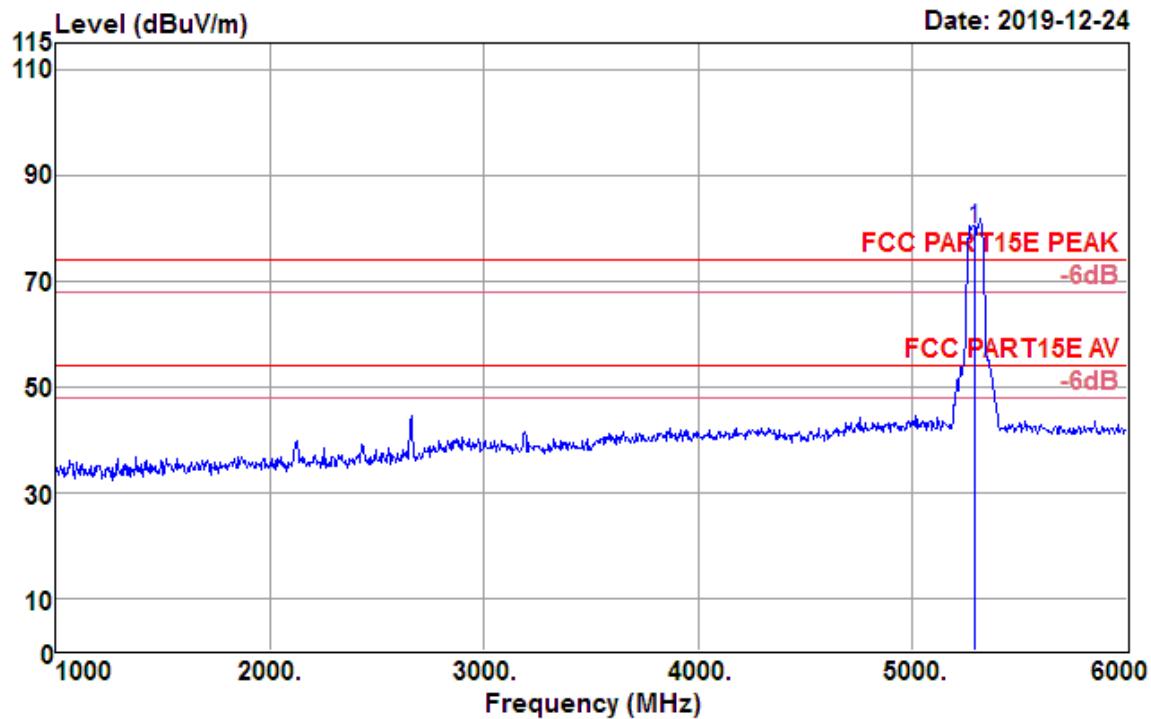


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
10580.000	25.79	39.54	12.19	35.12	42.40	54.00	-11.60	Average
10580.000	38.96	39.54	12.19	35.12	55.57	74.00	-18.43	Peak
15870.000	25.50	38.00	16.00	31.75	47.75	54.00	-6.25	Average
15870.000	38.38	38.00	16.00	31.75	60.63	74.00	-13.37	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

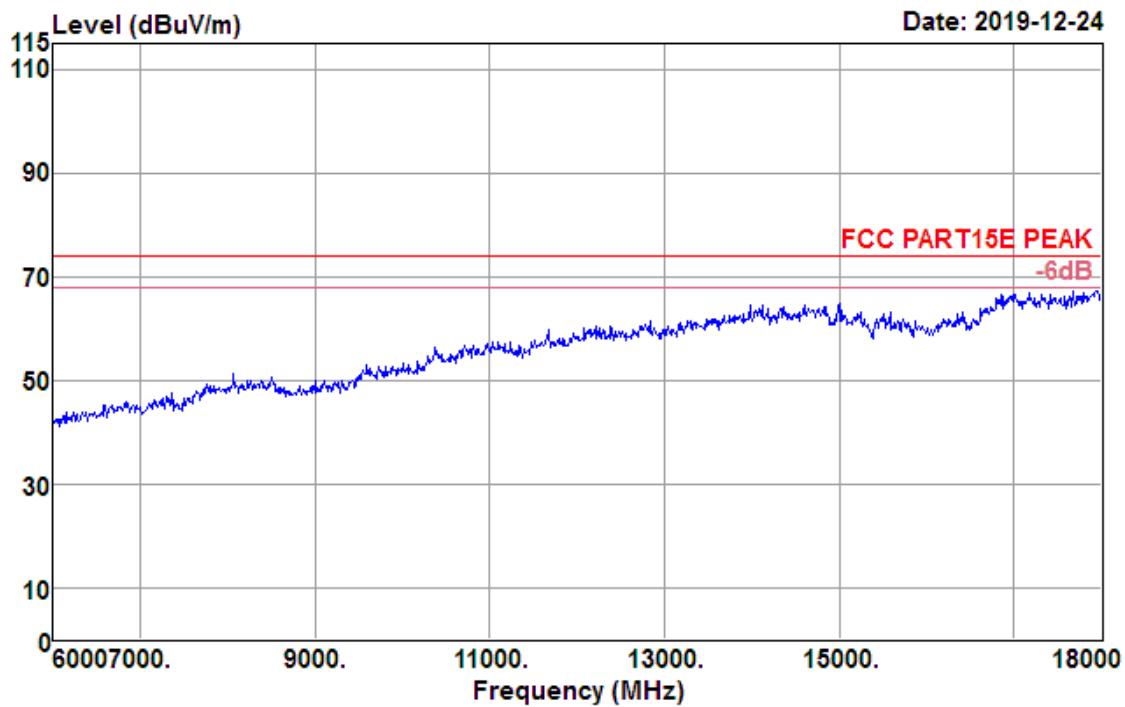
<b>Test Mode :</b>	802.11 ac VHT80 CH58 5290MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Vertical

Data: 89

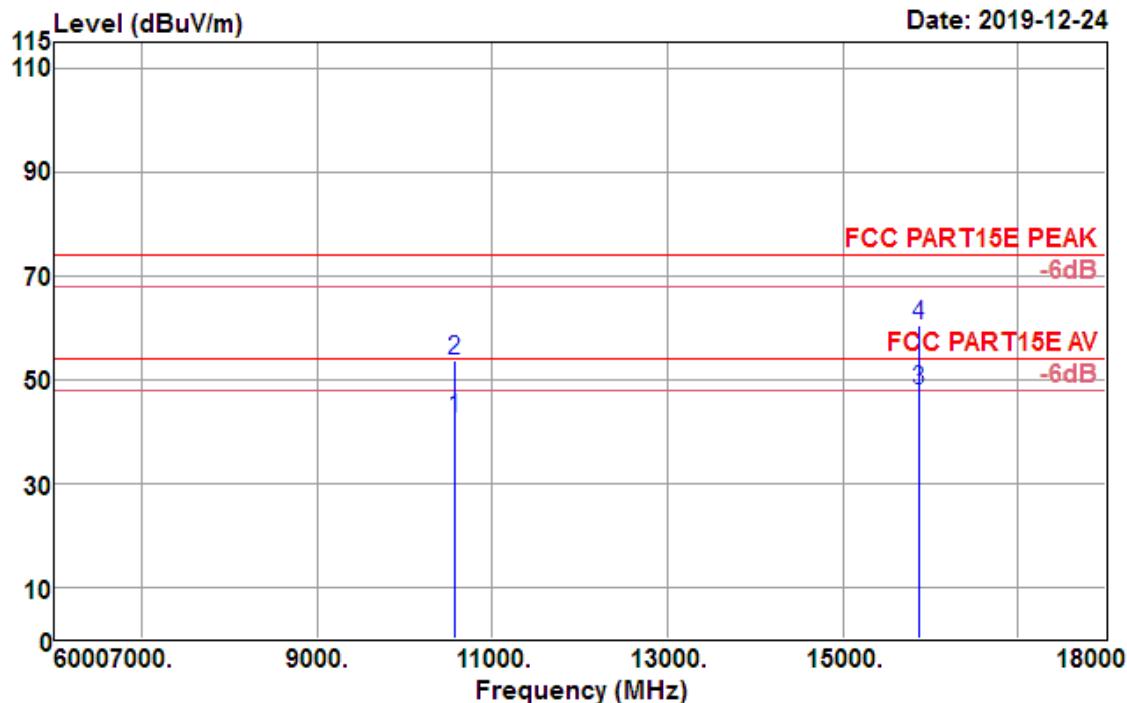


Freq MHz	Reading dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Preamp level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5290.000	77.23	31.93	5.71	35.19	79.68	74.00	5.68	Peak

<b>Test Mode :</b>	802.11 ac VHT80 CH58 5290MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Vertical

**Data: 85**

Data: 86

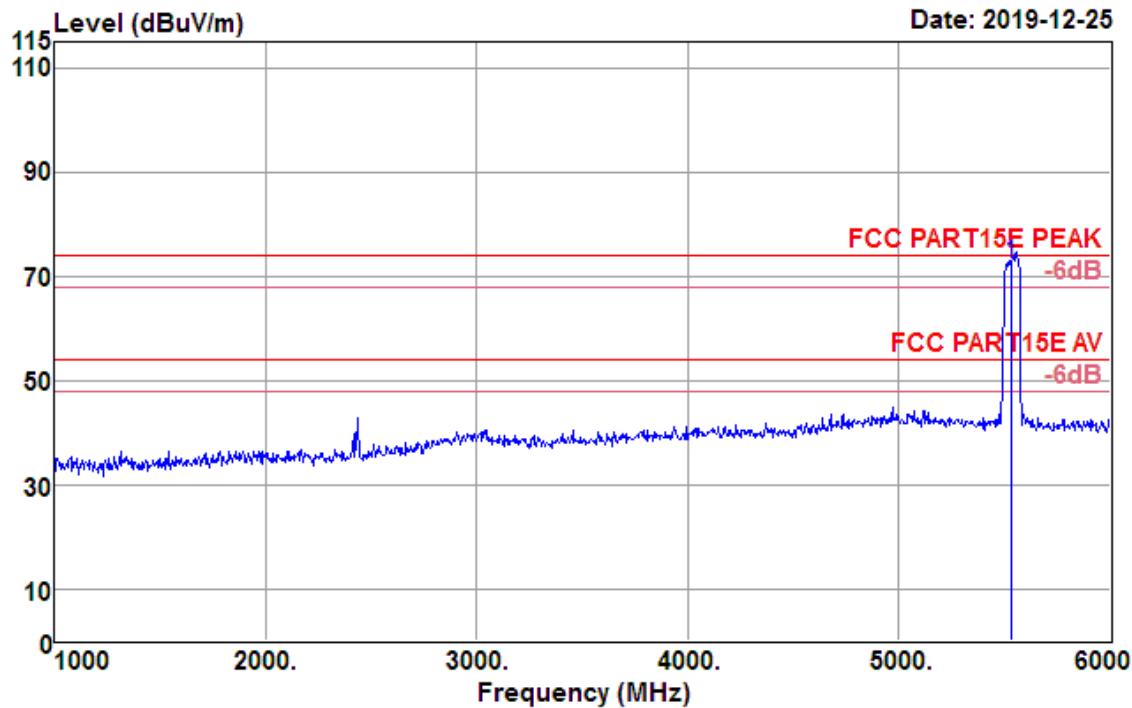


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
10580.000	25.75	39.54	12.19	35.12	42.36	54.00	-11.64	Average
10580.000	37.09	39.54	12.19	35.12	53.70	74.00	-20.30	Peak
15870.000	25.66	38.00	16.00	31.75	47.91	54.00	-6.09	Average
15870.000	38.04	38.00	16.00	31.75	60.29	74.00	-13.71	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

<b>Test Mode :</b>	802.11 ac VHT80 CH106 5530MHz	<b>Temperature :</b>	21~23℃
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Horizontal

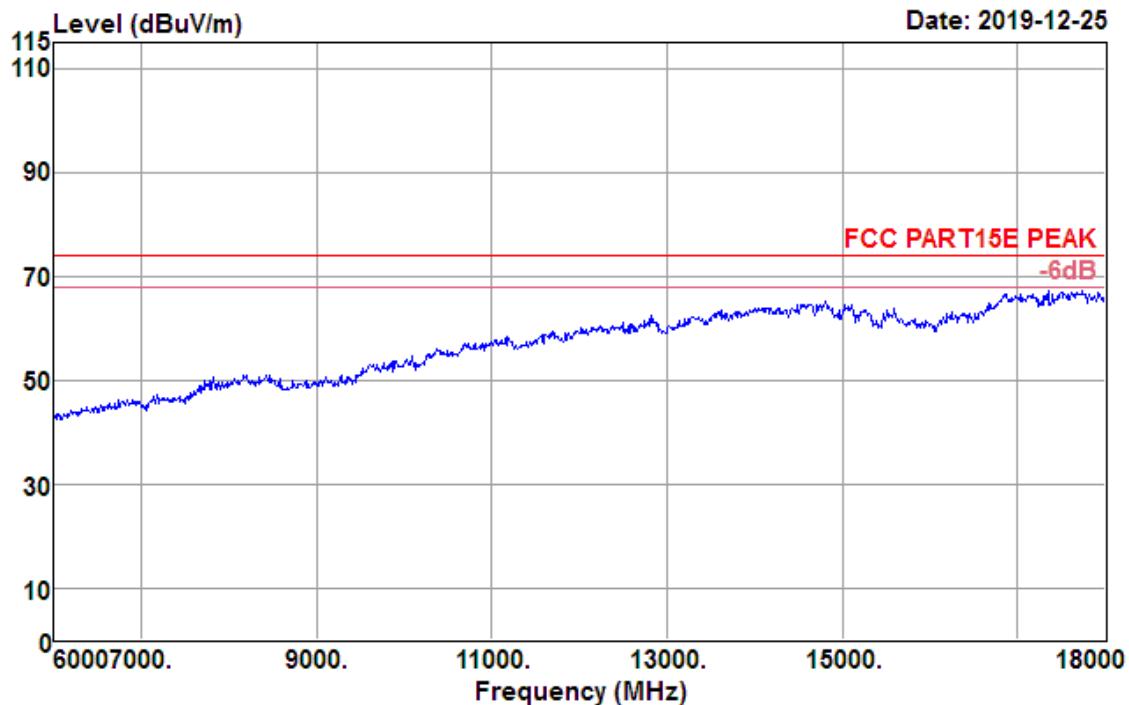
Data: 10

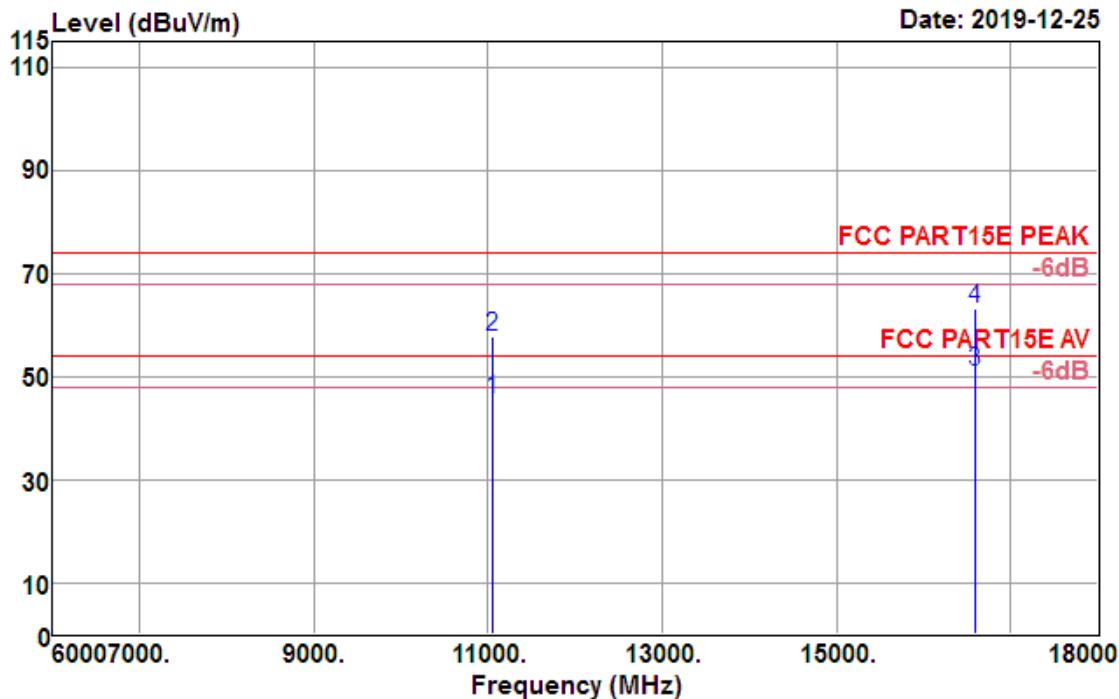


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Preamp level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5530.000	69.73	32.12	5.86	35.60	72.11	74.00	-1.89	Peak

<b>Test Mode :</b>	802.11 ac VHT80 CH106 5530MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Horizontal

Data: 1



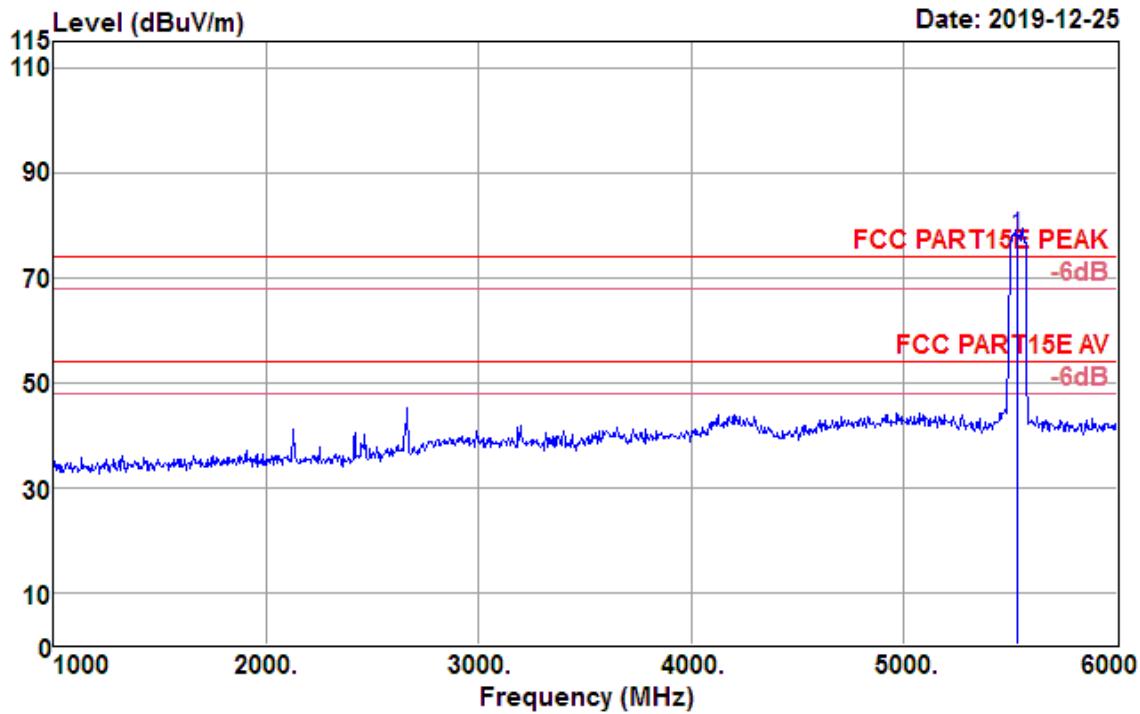
**Data: 2**

Freq MHz	Reading dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Preamp level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
11060.000	26.70	40.25	12.76	34.15	45.56	54.00	-8.44	Average
11060.000	38.92	40.25	12.76	34.15	57.78	74.00	-16.22	Peak
16590.000	26.09	39.90	16.26	31.41	50.84	54.00	-3.16	Average
16590.000	38.35	39.90	16.26	31.41	63.10	74.00	-10.90	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

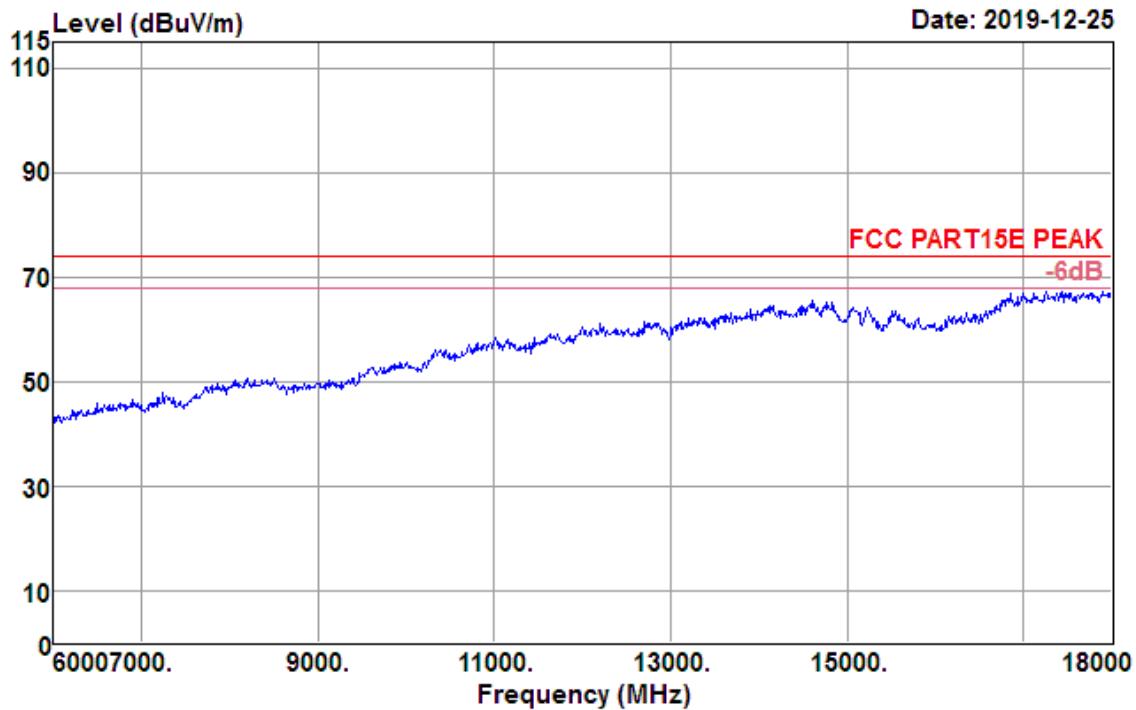
<b>Test Mode :</b>	802.11 ac VHT80 CH106 5530MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Vertical

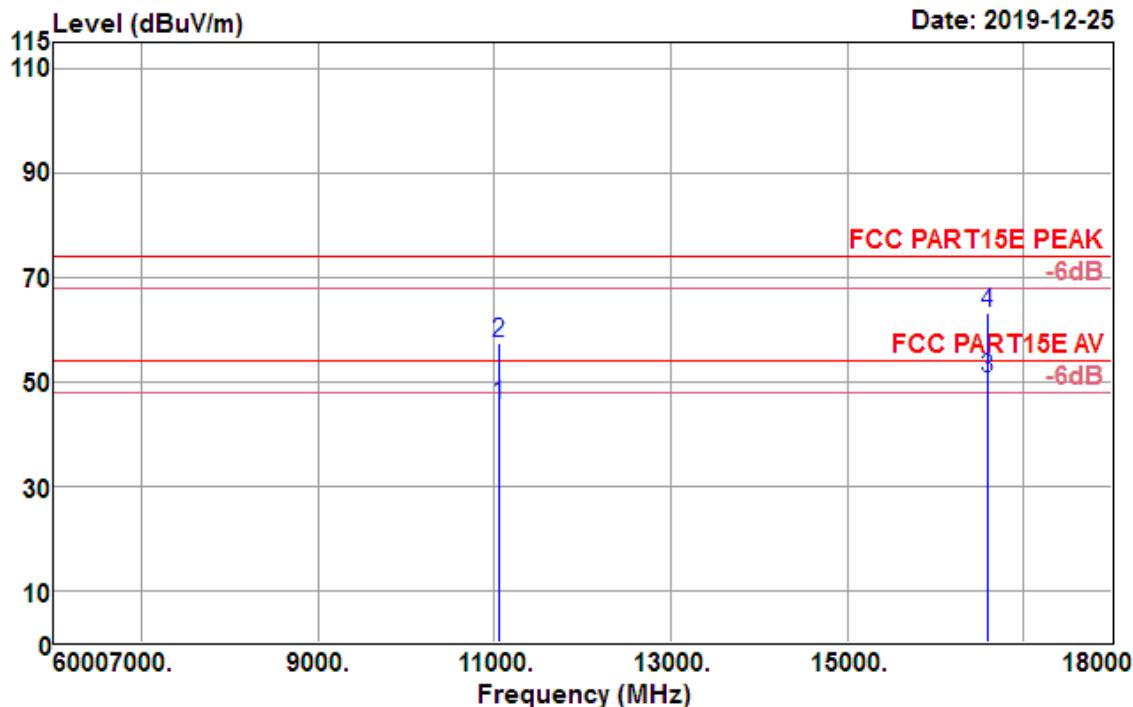
Data: 7



<b>Test Mode :</b>	802.11 ac VHT80 CH106 5530MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Vertical

Data: 3



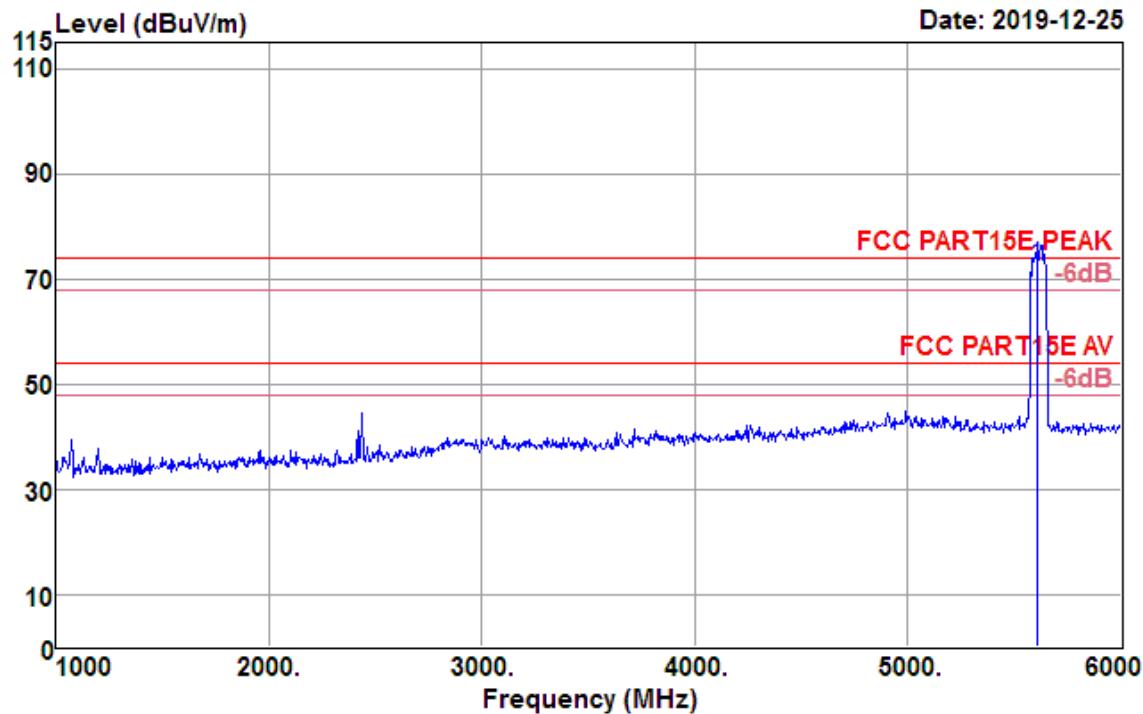
**Data: 4**

Freq MHz	Reading dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
11060.000	26.55	40.25	12.76	34.15	45.41	54.00	-8.59	Average
11060.000	38.45	40.25	12.76	34.15	57.31	74.00	-16.69	Peak
16590.000	25.66	39.90	16.26	31.41	50.41	54.00	-3.59	Average
16590.000	38.51	39.90	16.26	31.41	63.26	74.00	-10.74	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

<b>Test Mode :</b>	802.11 ac VHT80 CH122 5610MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Horizontal

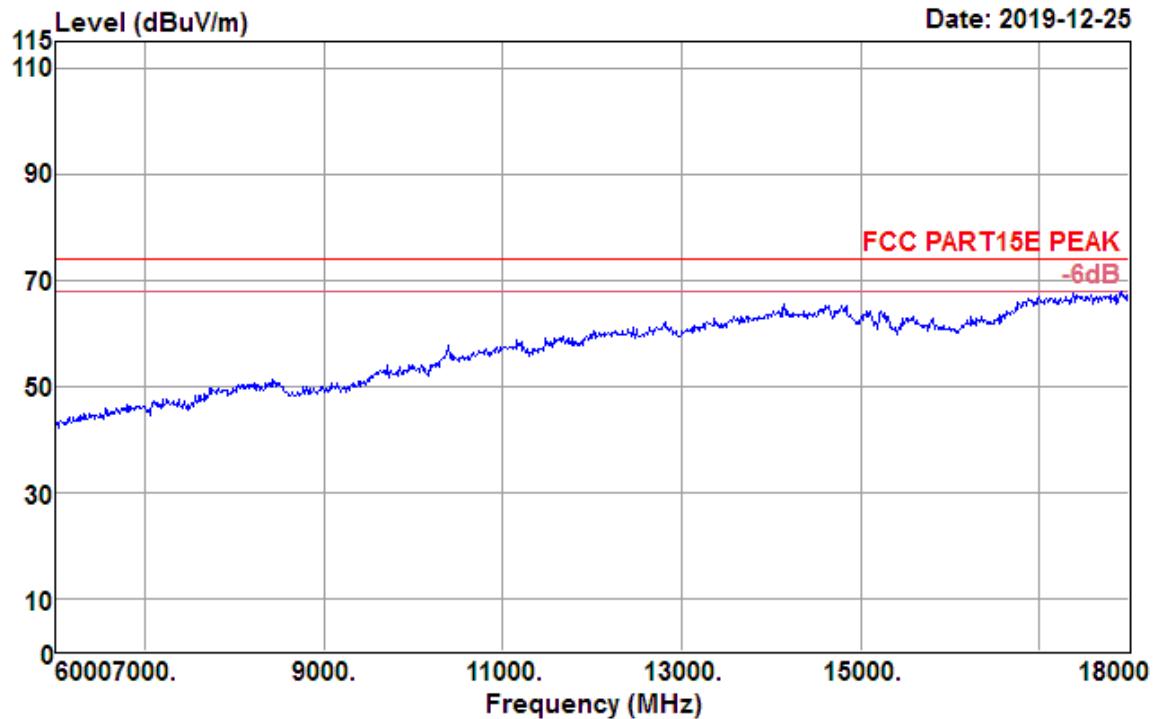
Data: 17



Freq MHz	Reading dBuV	Antenna factor	Cable loss	Preamp factor	Limit dBuV/m	Over limit dB	Remark
		dB/m	dB	dB	dBuV/m		
5610.000	69.80	32.19	5.95	35.74	72.20	74.00	-1.80 Peak

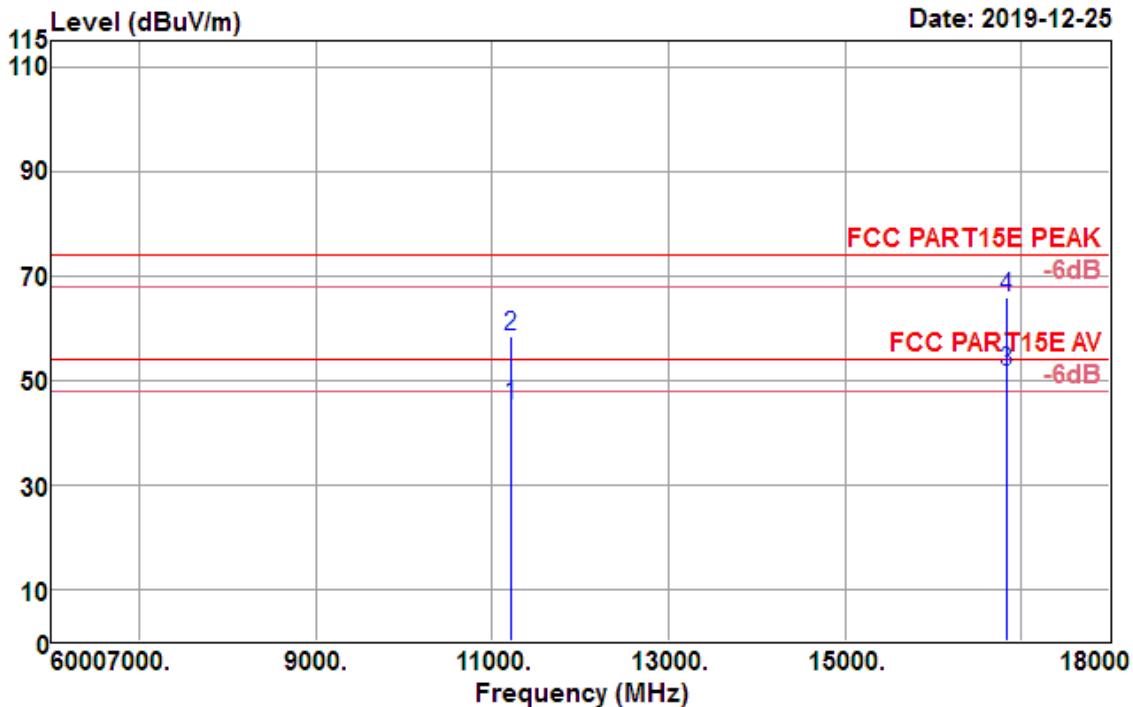
<b>Test Mode :</b>	802.11 ac VHT80 CH122 5610MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Horizontal

Data: 13



Data: 14

Date: 2019-12-25

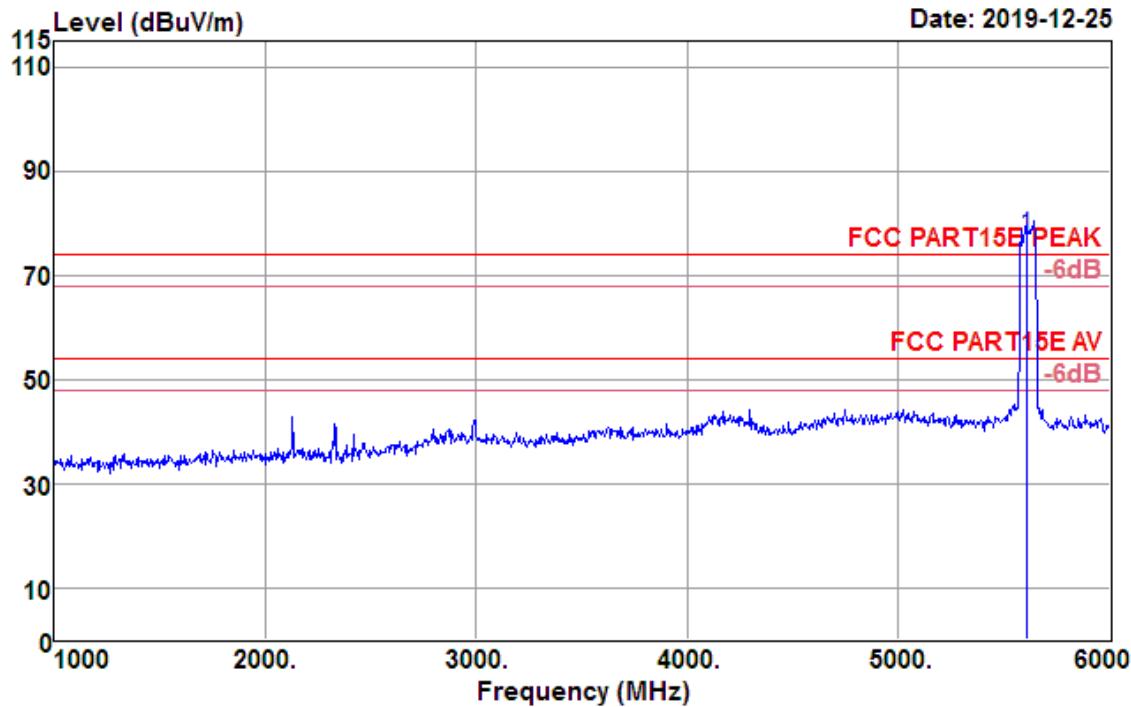


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
11220.000	25.89	40.12	12.98	34.00	44.99	54.00	-9.01	Average
11220.000	39.20	40.12	12.98	34.00	58.30	74.00	-15.70	Peak
16830.000	24.17	40.84	17.99	31.28	51.72	54.00	-2.28	Average
16830.000	38.17	40.84	17.99	31.28	65.72	74.00	-8.28	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

<b>Test Mode :</b>	802.11 ac VHT80 CH122 5610MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Vertical

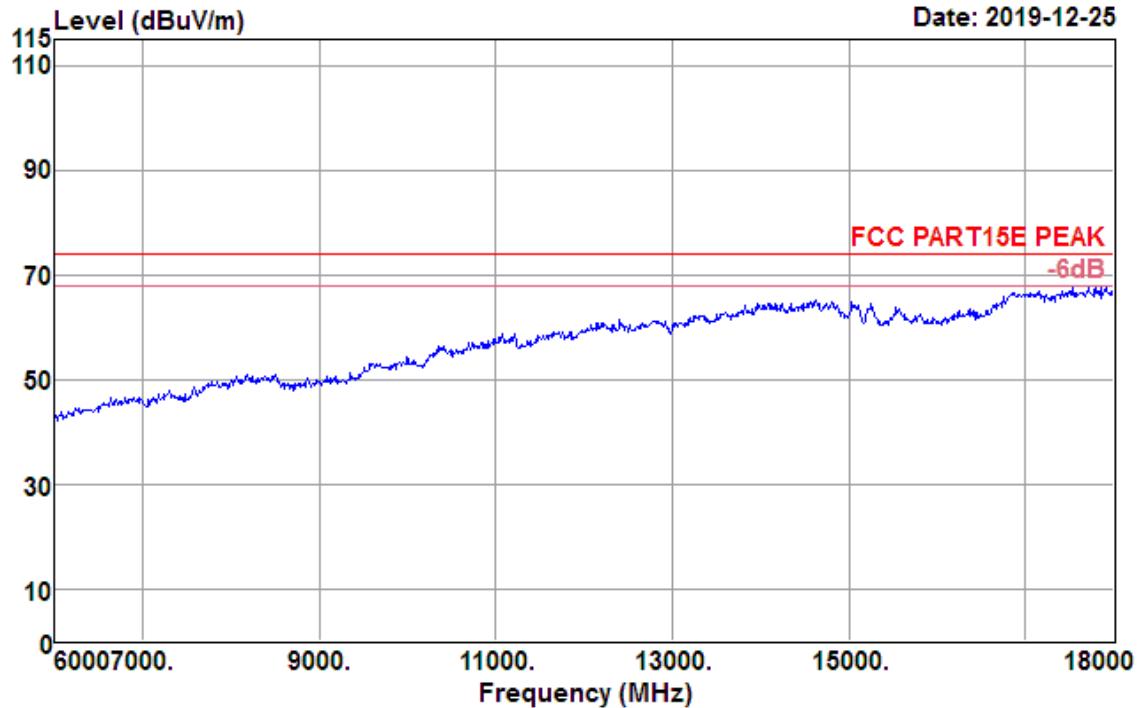
Data: 20

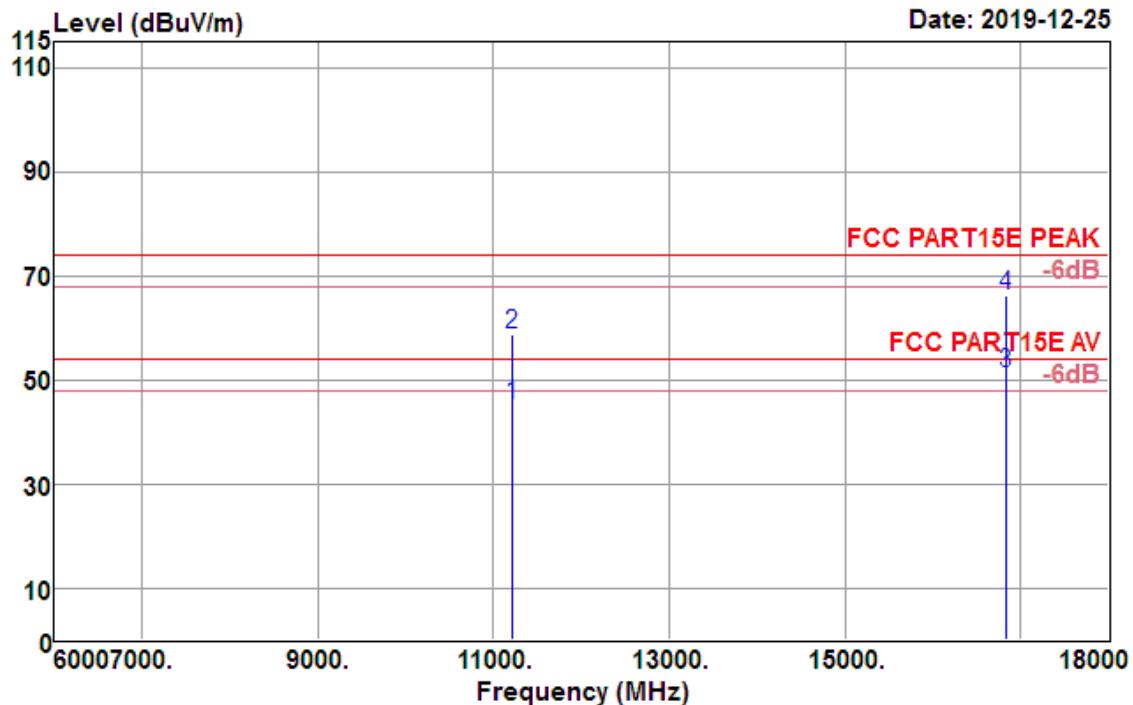


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Preamp level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5610.000	75.12	32.19	5.95	35.74	77.52	74.00	3.52	Peak

<b>Test Mode :</b>	802.11 ac VHT80 CH122 5610MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Vertical

Data: 11



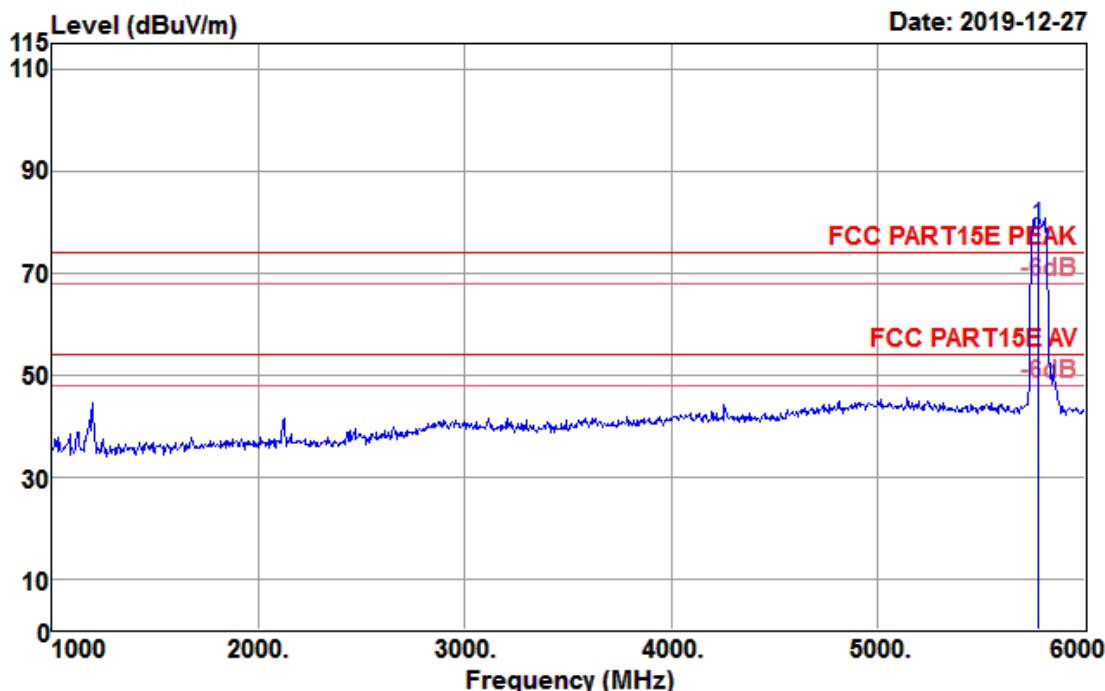
**Data: 12**

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Preamp level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
11220.000	25.96	40.12	12.98	34.00	45.06	54.00	-8.94	Average
11220.000	39.50	40.12	12.98	34.00	58.60	74.00	-15.40	Peak
16830.000	23.61	40.84	17.99	31.28	51.16	54.00	-2.84	Average
16830.000	38.72	40.84	17.99	31.28	66.27	74.00	-7.73	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

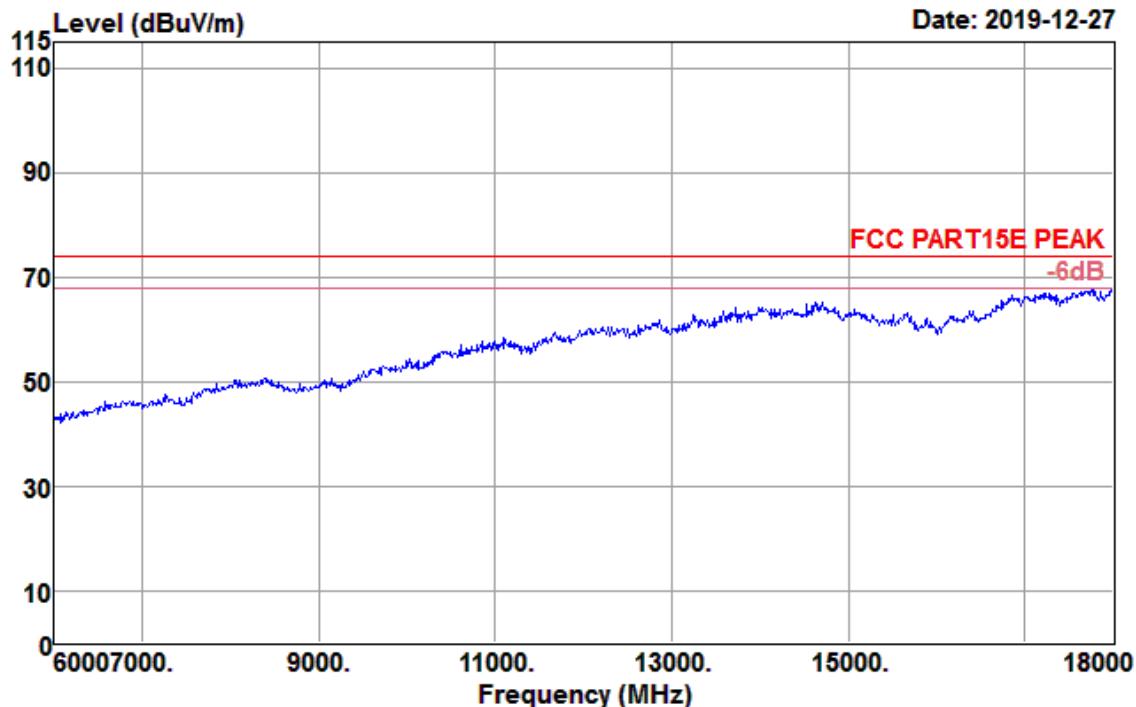
<b>Test Mode :</b>	802.11 ac VHT80 CH155 5775MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Horizontal

Data: 123

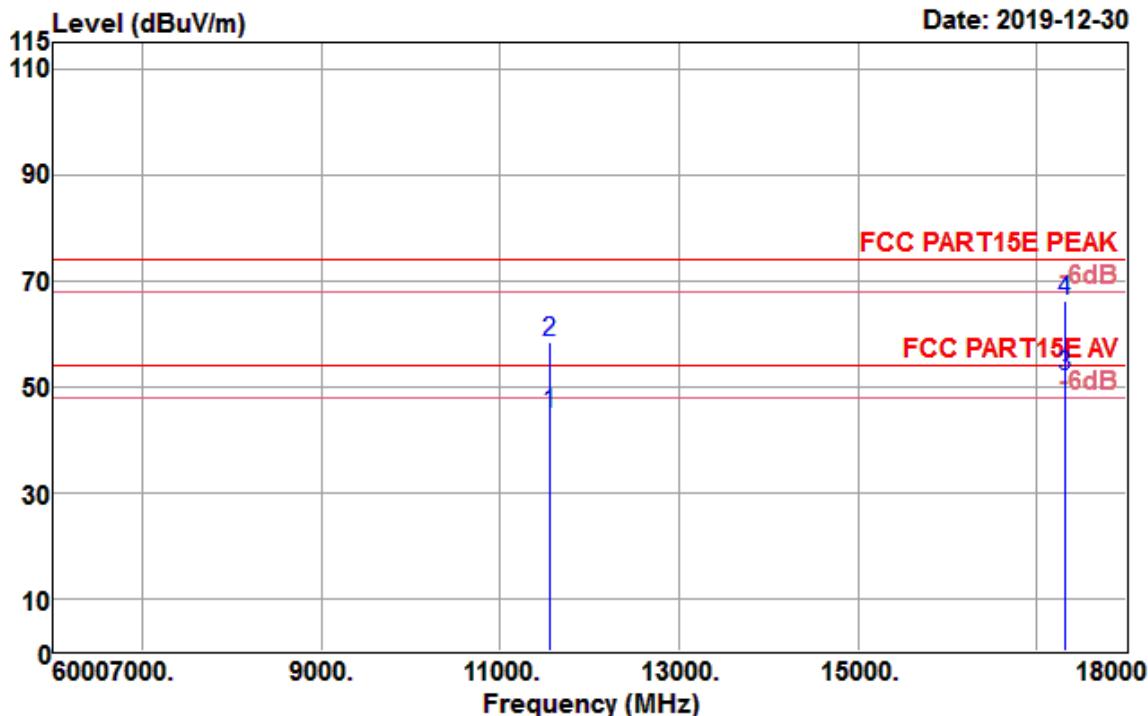


Freq MHz	Reading dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5775.000	76.79	32.32	6.08	36.02	79.17	74.00	5.17	Peak

<b>Test Mode :</b>	802.11 ac VHT80 CH155 5775MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Horizontal

**Data: 121**

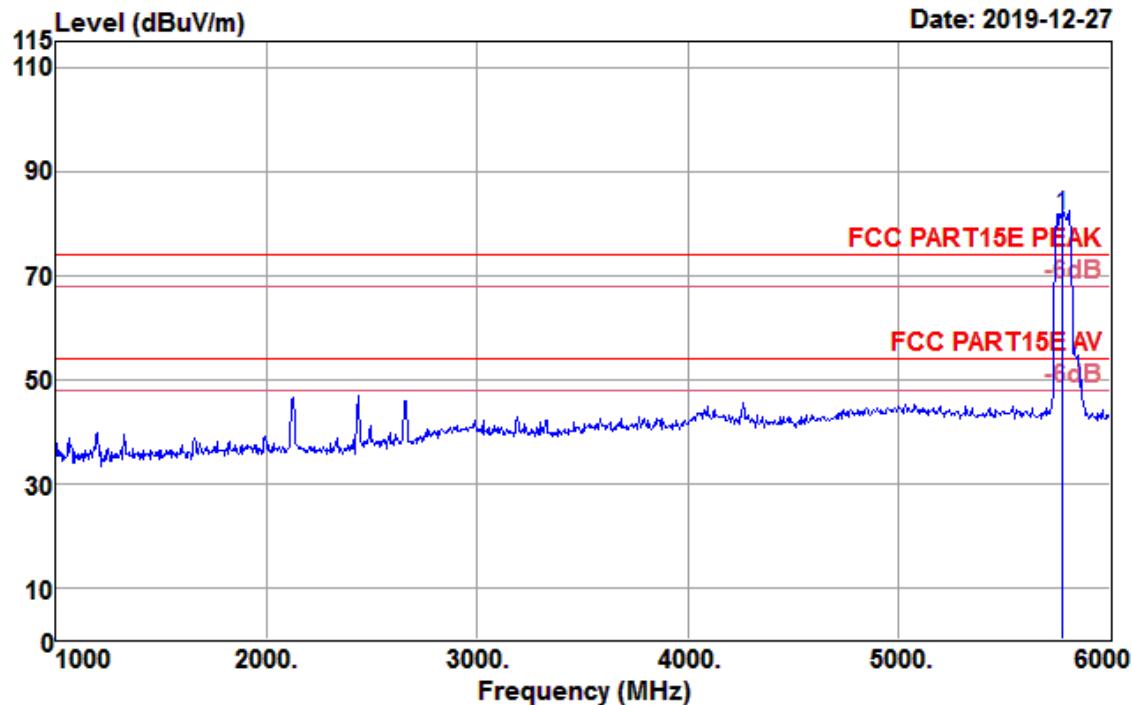
Data: 122



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

<b>Test Mode :</b>	802.11 ac VHT80 CH155 5775MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	1GHz~6GHz	<b>Polarization :</b>	Vertical

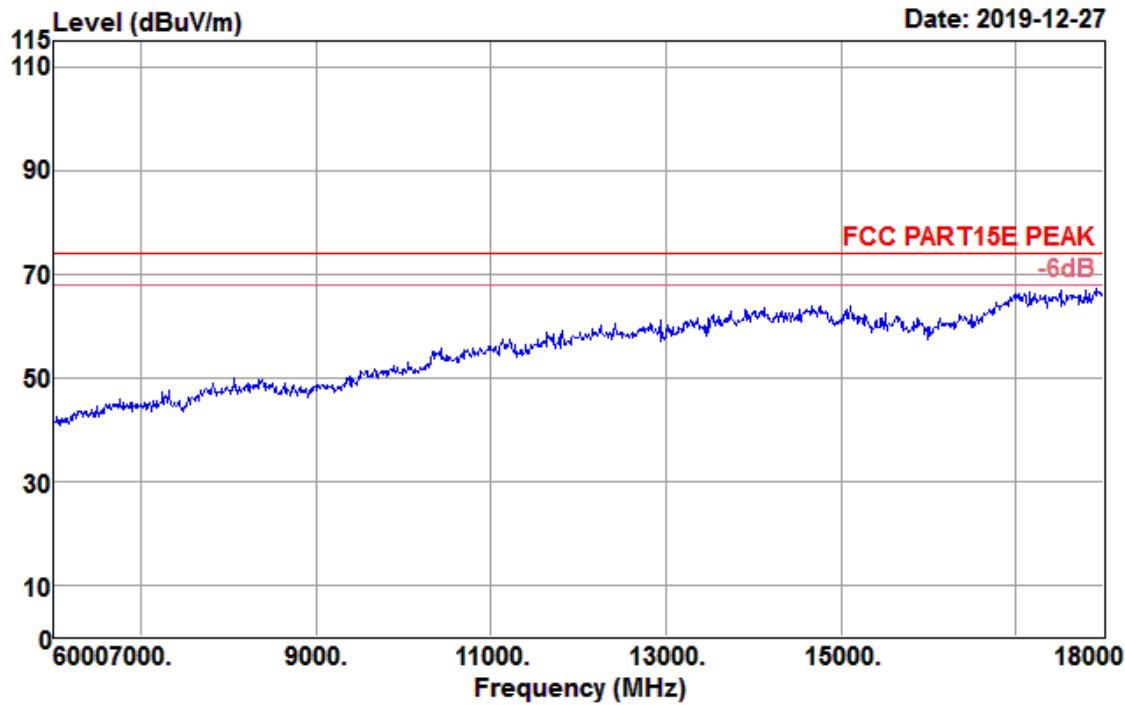
Data: 124



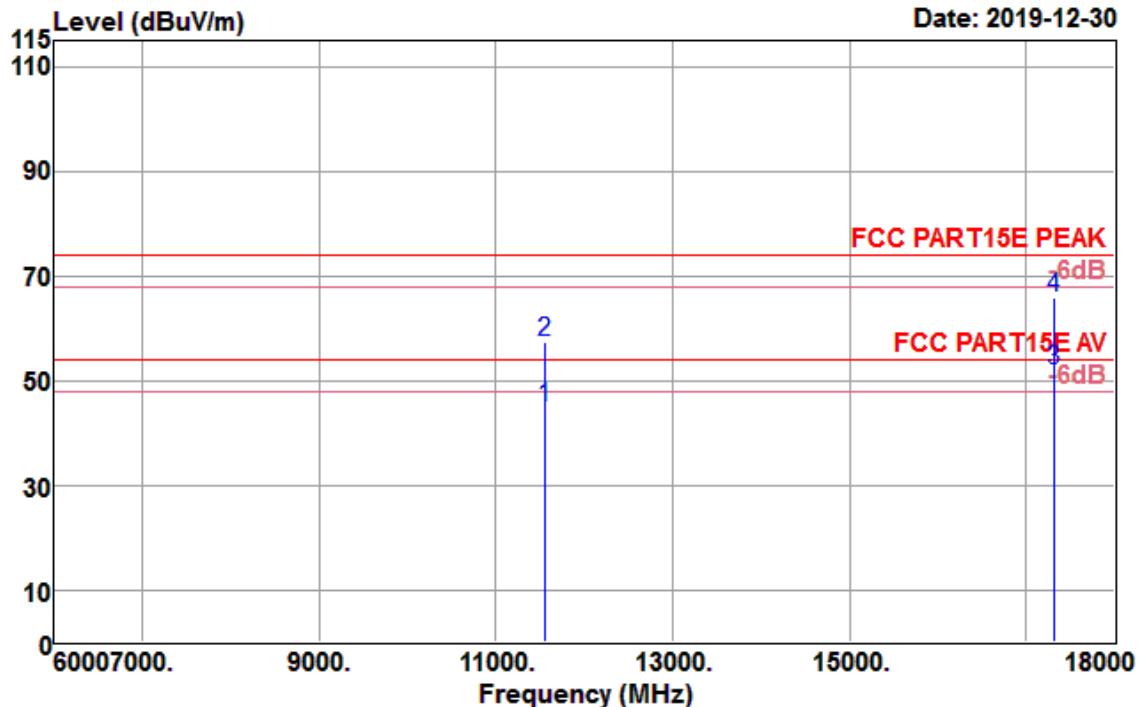
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Preamp level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5775.000	79.17	32.32	6.08	36.02	81.55	74.00	7.55	Peak

<b>Test Mode :</b>	802.11 ac VHT80 CH155 5775MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	6GHz~18GHz	<b>Polarization :</b>	Vertical

Data: 119



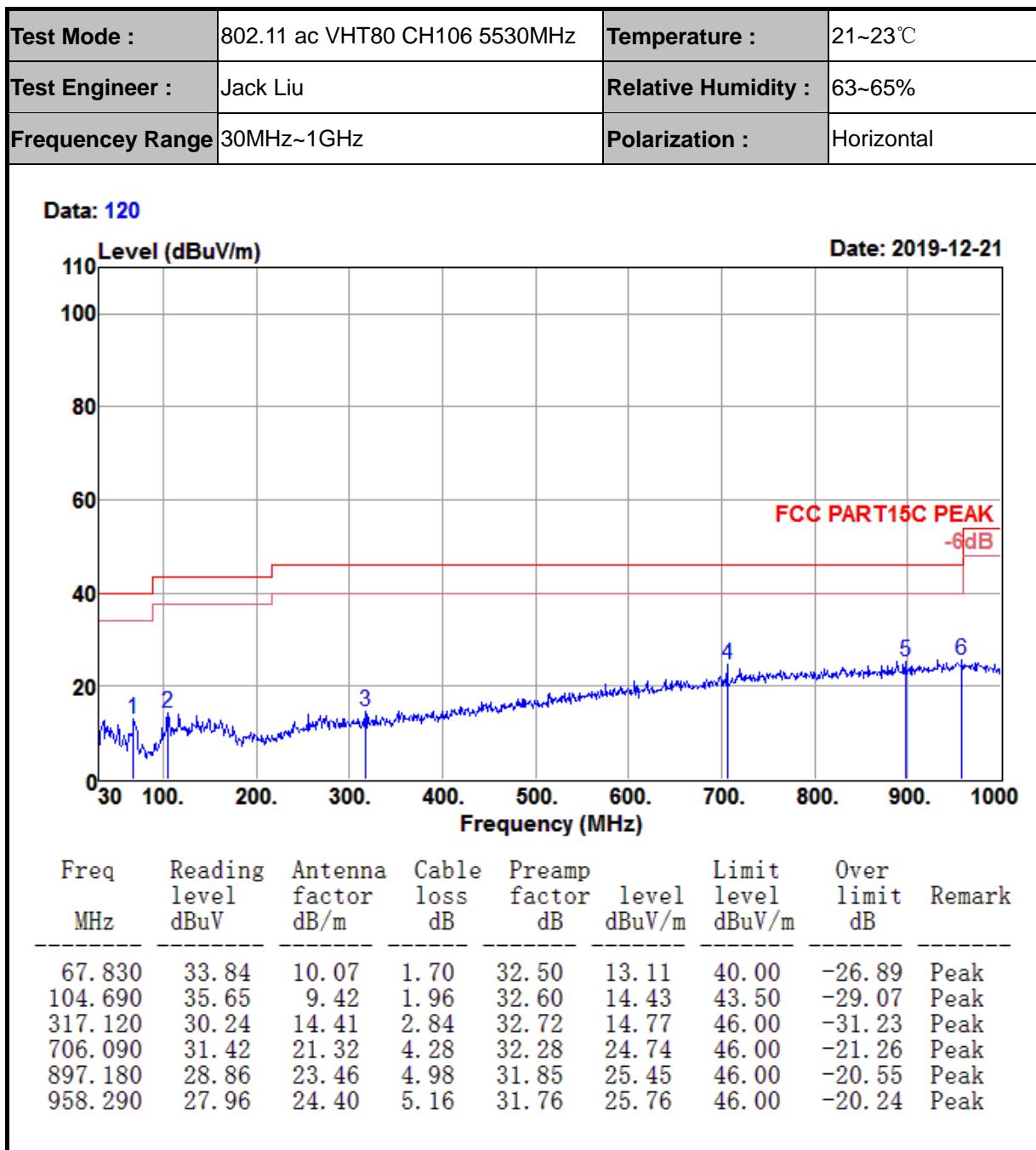
Data: 120



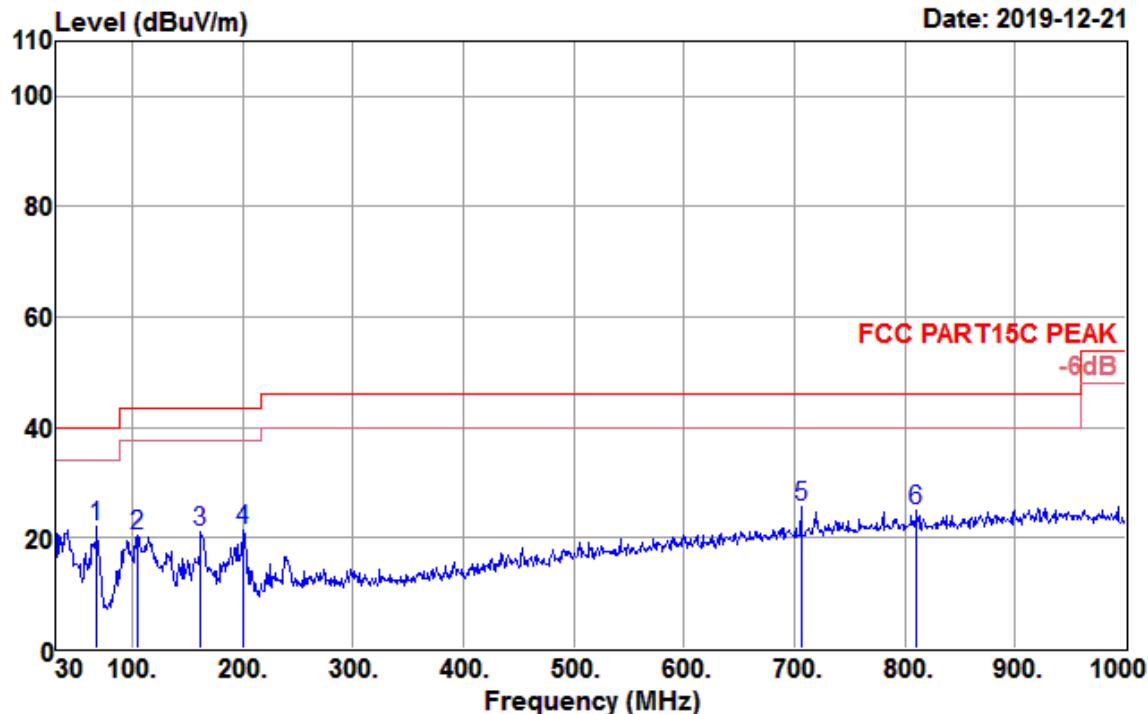
Freq MHz	Reading level dB <sub>UV</sub>	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Level dB <sub>UV</sub> /m	Limit level dB <sub>UV</sub> /m	Over limit dB	Remark
11550.000	25.13	39.86	13.49	33.71	44.77	54.00	-9.23	Average
11550.000	37.85	39.86	13.49	33.71	57.49	74.00	-16.51	Peak
17325.000	21.91	43.81	17.18	31.01	51.89	54.00	-2.11	Average
17325.000	35.72	43.81	17.18	31.01	65.70	74.00	-8.30	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

#### 4.4.6 Test Result of Radiated Spurious Emission (30MHz ~ 1GHz)



<b>Test Mode :</b>	802.11 ac VHT80 CH106 5530MHz	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Jack Liu	<b>Relative Humidity :</b>	63~65%
<b>Frequency Range</b>	30MHz~1GHz	<b>Polarization :</b>	Vertical

**Data: 119**


Freq MHz	Reading dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit dBuV/m	Over limit dB	Remark
67.830	42.94	10.07	1.70	32.50	22.21	40.00	-17.79	Peak
104.690	41.81	9.42	1.96	32.60	20.59	43.50	-22.91	Peak
161.920	37.99	13.70	2.19	32.63	21.25	43.50	-22.25	Peak
199.750	41.04	10.61	2.38	32.65	21.38	43.50	-22.12	Peak
706.090	32.38	21.32	4.28	32.28	25.70	46.00	-20.30	Peak
810.850	29.88	22.49	4.68	31.98	25.07	46.00	-20.93	Peak

## 4.5 AC Conducted Emission Measurement

### 4.5.1 Limit of AC Conducted Emission

FCC §15.207

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of emission (MHz)	Conducted limit (dB $\mu$ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

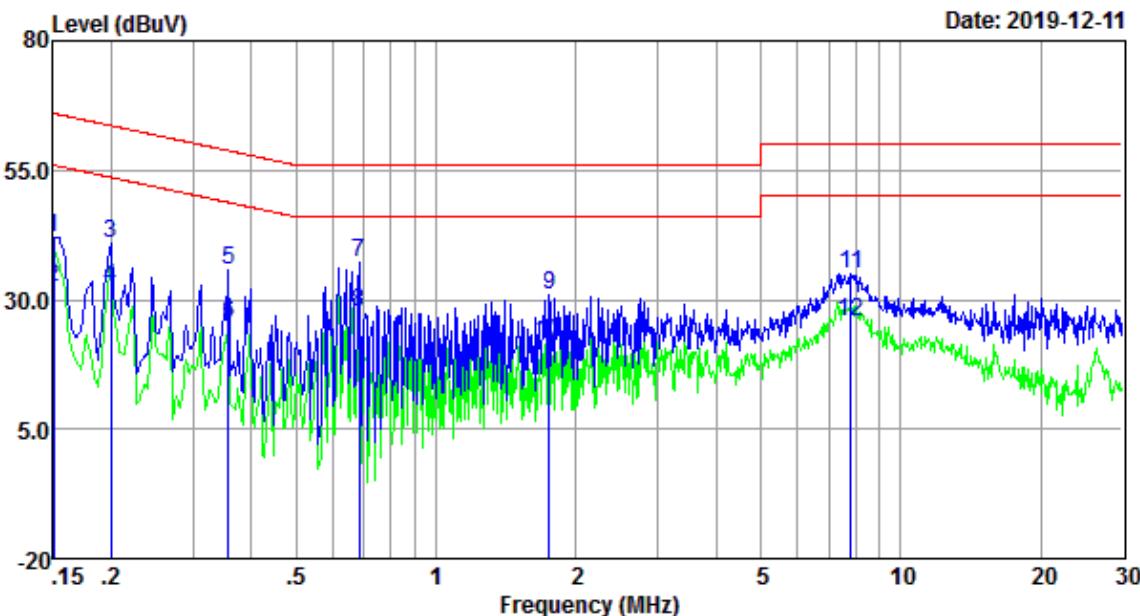
\*Decreases with the logarithm of the frequency.

### 4.5.2 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

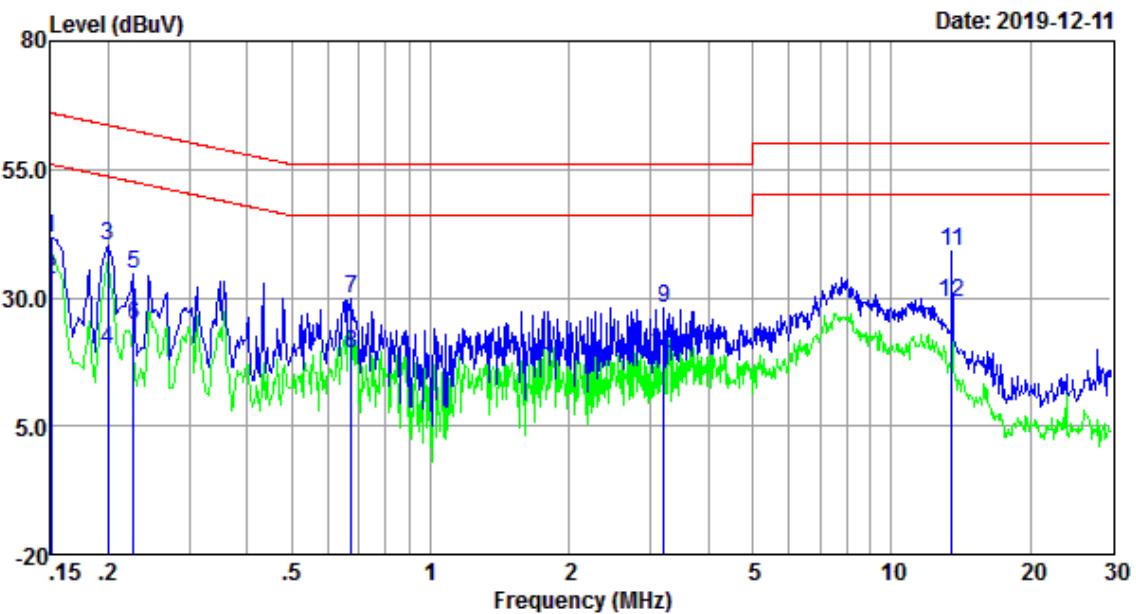
#### 4.5.3 Test Result of AC Conducted Emission

<b>Test Mode :</b>	Mode 1	<b>Temperature :</b>	20°C
<b>Test Engineer :</b>	Jerry.Wang	<b>Relative Humidity :</b>	64%
<b>Test Voltage :</b>	120Vac / 60Hz	<b>Phase :</b>	Line
<b>Function Type :</b>	BT Tethering+WLAN Link+NFC+RFID+Charging from Adapter		



Freq MHz	Reading level dBuV	LISN/ISN factor dB	Cable loss dB	Result level dBuV	Limit level dBuV	Over limit dB	Remark
0.150	32.37	9.63	0.04	42.04	66.00	-23.96	QP
0.150	22.77	9.63	0.04	32.44	56.00	-23.56	Average
0.200	31.16	9.65	0.04	40.85	63.62	-22.77	QP
0.200	22.55	9.65	0.04	32.24	53.62	-21.38	Average
0.358	25.88	9.69	0.04	35.61	58.78	-23.17	QP
0.358	15.68	9.69	0.04	25.41	48.78	-23.37	Average
0.683	27.37	9.75	0.04	37.16	56.00	-18.84	QP
0.683	17.77	9.75	0.04	27.56	46.00	-18.44	Average
1.753	21.16	9.82	0.06	31.04	56.00	-24.96	QP
1.753	11.66	9.82	0.06	21.54	46.00	-24.46	Average
7.810	25.07	9.93	0.09	35.09	60.00	-24.91	QP
7.810	15.61	9.93	0.09	25.63	50.00	-24.37	Average

<b>Test Mode :</b>	Mode 1	<b>Temperature :</b>	20°C
<b>Test Engineer :</b>	Jerry.Wang	<b>Relative Humidity :</b>	64%
<b>Test Voltage :</b>	120Vac / 60Hz	<b>Phase :</b>	NEUTRAL
<b>Function Type :</b> BT Tethering+WLAN Link+NFC+RFID+Charging from Adapter			



Freq MHz	Reading level dBuV	LISN/ISN factor dB	Cable loss dB	Result level dBuV	Limit level dBuV	Over limit dB	Remark
0.150	32.11	9.59	0.04	41.74	66.00	-24.26	QP
0.150	23.98	9.59	0.04	33.61	56.00	-22.39	Average
0.200	30.53	9.61	0.04	40.18	63.62	-23.44	QP
0.200	10.36	9.61	0.04	20.01	53.62	-33.61	Average
0.227	24.97	9.62	0.04	34.63	62.57	-27.94	QP
0.227	14.84	9.62	0.04	24.50	52.57	-28.07	Average
0.672	19.97	9.65	0.04	29.66	56.00	-26.34	QP
0.672	9.24	9.65	0.04	18.93	46.00	-27.07	Average
3.207	18.13	9.76	0.07	27.96	56.00	-28.04	QP
3.207	9.23	9.76	0.07	19.06	46.00	-26.94	Average
13.551	29.01	9.88	0.12	39.01	60.00	-20.99	QP
13.551	19.22	9.88	0.12	29.22	50.00	-20.78	Average

## 4.6 Frequency Stability Measurement

### 4.6.1 Limit of Frequency Stability

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

### 4.6.2 Test Procedures

1. To ensure emission at the band edge is maintained within the authorized band, those values shall be measured by radiation emissions at upper and lower frequency points, and finally compensated by frequency deviation as procedures below.
2. The EUT was operated at the maximum output power, and connected to the spectrum analyzer, which is set to maximum hold function and peak detector. The peak value of the power envelope was measured and noted. The upper and lower frequency points were respectively measured relatively 10dB lower than the measured peak value.
3. The frequency deviation was calculated by adding the upper frequency point and the lower frequency point divided by two. Those detailed values of frequency deviation are provided in table below.

### 4.6.3 Test Result of Frequency Stability

#### Frequency Error vs. Voltage:

Test Mode	Antenna	Channel	Temp.	Volt.	Freq.Error(MHz)	Freq.vs.rated(ppm)	Verdict
11A	Ant1	36	TN	VL	-0.023	-1.54	PASS
			TN	VN	0.015	4.44	PASS
			TN	VH	0.008	0.97	PASS
11A	Ant1	40	TN	VL	0.039	7.50	PASS
			TN	VN	0.012	2.31	PASS
			TN	VH	0.023	3.85	PASS
11A	Ant1	48	TN	VL	0.035	6.87	PASS
			TN	VN	-0.012	-1.72	PASS
			TN	VH	-0.030	-4.96	PASS
11N20	Ant1	36	TN	VL	0.045	7.60	PASS
			TN	VN	0.021	3.23	PASS
			TN	VH	-0.016	-5.51	PASS
11N20	Ant1	40	TN	VL	-0.015	-1.14	PASS
			TN	VN	-0.019	-4.92	PASS
			TN	VH	0.015	3.98	PASS
11N20	Ant1	48	TN	VL	-0.014	-1.88	PASS
			TN	VN	0.022	4.89	PASS
			TN	VH	-0.009	-1.13	PASS
11N40	Ant1	38	TN	VL	0.030	4.00	PASS
			TN	VN	0.032	5.82	PASS
			TN	VH	-0.032	-5.64	PASS
11N40	Ant1	46	TN	VL	-0.017	-5.91	PASS
			TN	VN	-0.026	-3.05	PASS
			TN	VH	-0.021	-1.08	PASS
11AC20	Ant1	36	TN	VL	-0.017	-3.33	PASS
			TN	VN	-0.036	-4.21	PASS
			TN	VH	-0.009	-1.75	PASS
11AC20	Ant1	40	TN	VL	-0.012	-1.22	PASS
			TN	VN	-0.024	-1.22	PASS
			TN	VH	-0.012	-2.61	PASS

11AC20	Ant1	48	TN	VL	-0.021	-1.04	PASS
			TN	VN	-0.016	-2.59	PASS
			TN	VH	-0.007	-2.94	PASS
11AC40	Ant1	38	TN	VL	0.016	1.37	PASS
			TN	VN	-0.018	-2.23	PASS
			TN	VH	-0.012	-4.46	PASS
11AC40	Ant1	46	TN	VL	0.032	6.18	PASS
			TN	VN	-0.034	-6.56	PASS
			TN	VH	-0.016	-3.09	PASS
11AC80	Ant1	42	TN	VL	0.034	6.54	PASS
			TN	VN	0.039	7.50	PASS
			TN	VH	-0.001	-0.19	PASS
11A	Ant1	52	TN	VL	-0.004	-0.76	PASS
			TN	VN	0.035	6.68	PASS
			TN	VH	0.032	6.11	PASS
11A	Ant1	56	TN	VL	-0.001	-0.19	PASS
			TN	VN	-0.019	-3.61	PASS
			TN	VH	0.000	0.00	PASS
11A	Ant1	64	TN	VL	0.010	1.89	PASS
			TN	VN	0.004	0.76	PASS
			TN	VH	-0.002	-0.38	PASS
11N20	Ant1	52	TN	VL	0.012	2.26	PASS
			TN	VN	0.009	1.69	PASS
			TN	VH	-0.005	-0.94	PASS
11N20	Ant1	56	TN	VL	-0.016	-2.91	PASS
			TN	VN	0.032	5.82	PASS
			TN	VH	-0.036	-6.55	PASS
11N20	Ant1	64	TN	VL	0.041	7.35	PASS
			TN	VN	0.044	7.89	PASS
			TN	VH	-0.033	-5.91	PASS
11N40	Ant1	54	TN	VL	0.026	4.56	PASS
			TN	VN	0.039	6.84	PASS
			TN	VH	-0.005	-0.88	PASS
11N40	Ant1	62	TN	VL	0.012	2.09	PASS
			TN	VN	0.030	5.22	PASS
			TN	VH	-0.011	-1.91	PASS

11AC20	Ant1	52	TN	VL	0.029	5.05	PASS
			TN	VN	0.002	0.35	PASS
			TN	VH	-0.021	-3.63	PASS
11AC20	Ant1	56	TN	VL	-0.023	-3.98	PASS
			TN	VN	0.007	1.20	PASS
			TN	VH	0.017	2.92	PASS
11AC20	Ant1	64	TN	VL	0.038	6.52	PASS
			TN	VN	-0.004	-0.77	PASS
			TN	VH	-0.028	-5.41	PASS
11AC40	Ant1	54	TN	VL	0.038	7.34	PASS
			TN	VN	0.021	4.04	PASS
			TN	VH	0.039	7.50	PASS
11AC40	Ant1	62	TN	VL	0.032	6.15	PASS
			TN	VN	-0.005	-0.95	PASS
			TN	VH	0.027	5.15	PASS
11AC80	Ant1	58	TN	VL	0.029	5.53	PASS
			TN	VN	-0.028	-5.32	PASS
			TN	VH	-0.016	-3.04	PASS
11A	Ant1	100	TN	VL	0.007	1.33	PASS
			TN	VN	0.000	0.00	PASS
			TN	VH	0.010	1.89	PASS
11A	Ant1	116	TN	VL	0.025	4.73	PASS
			TN	VN	0.022	4.14	PASS
			TN	VH	-0.013	-2.44	PASS
11A	Ant1	140	TN	VL	0.027	5.08	PASS
			TN	VN	-0.017	-3.09	PASS
			TN	VH	-0.023	-4.18	PASS
11N20	Ant1	100	TN	VL	0.014	2.55	PASS
			TN	VN	-0.011	-1.97	PASS
			TN	VH	-0.018	-3.23	PASS
11N20	Ant1	116	TN	VL	-0.018	-3.23	PASS
			TN	VN	0.026	4.56	PASS
			TN	VH	0.003	0.53	PASS
11N20	Ant1	140	TN	VL	-0.021	-3.68	PASS
			TN	VN	0.028	4.87	PASS
			TN	VH	0.034	5.92	PASS

11N40	Ant1	102	TN	VL	0.002	0.35	PASS
			TN	VN	0.044	7.66	PASS
			TN	VH	-0.034	-5.88	PASS
11N40	Ant1	110	TN	VL	0.017	2.94	PASS
			TN	VN	0.026	4.49	PASS
			TN	VH	-0.004	-0.69	PASS
11N40	Ant1	134	TN	VL	-0.006	-1.03	PASS
			TN	VN	0.015	2.58	PASS
			TN	VH	-0.012	-2.32	PASS
11AC20	Ant1	100	TN	VL	0.034	6.56	PASS
			TN	VN	-0.011	-2.12	PASS
			TN	VH	-0.011	-2.12	PASS
11AC20	Ant1	116	TN	VL	0.035	6.73	PASS
			TN	VN	0.042	8.08	PASS
			TN	VH	0.021	4.01	PASS
11AC20	Ant1	140	TN	VL	0.028	5.34	PASS
			TN	VN	-0.033	-6.30	PASS
			TN	VH	0.011	2.09	PASS
11AC40	Ant1	102	TN	VL	0.002	0.38	PASS
			TN	VN	-0.025	-4.75	PASS
			TN	VH	0.026	4.92	PASS
11AC40	Ant1	110	TN	VL	-0.022	-4.17	PASS
			TN	VN	0.035	6.63	PASS
			TN	VH	0.007	1.32	PASS
11AC40	Ant1	134	TN	VL	0.011	2.07	PASS
			TN	VN	-0.020	-3.76	PASS
			TN	VH	-0.028	-5.09	PASS
11AC80	Ant1	106	TN	VL	0.014	2.55	PASS
			TN	VN	-0.005	-0.91	PASS
			TN	VH	0.029	5.20	PASS
11A	Ant1	149	TN	VL	0.016	2.87	PASS
			TN	VN	0.037	6.63	PASS
			TN	VH	0.015	2.63	PASS
11A	Ant1	157	TN	VL	0.029	5.09	PASS
			TN	VN	-0.014	-2.46	PASS
			TN	VH	0.011	1.91	PASS

11A	Ant1	165	TN	VL	-0.035	-6.09	PASS
			TN	VN	0.017	2.96	PASS
			TN	VH	0.002	0.35	PASS
11N20	Ant1	149	TN	VL	0.010	1.73	PASS
			TN	VN	0.004	0.69	PASS
			TN	VH	0.011	1.90	PASS
11N20	Ant1	157	TN	VL	-0.011	-1.89	PASS
			TN	VN	-0.033	-5.67	PASS
			TN	VH	0.032	5.49	PASS
11N20	Ant1	165	TN	VL	0.019	3.67	PASS
			TN	VN	0.015	2.90	PASS
			TN	VH	0.037	7.14	PASS
11N40	Ant1	151	TN	VL	0.005	0.96	PASS
			TN	VN	-0.005	-0.96	PASS
			TN	VH	0.003	0.58	PASS
11N40	Ant1	159	TN	VL	-0.025	-4.77	PASS
			TN	VN	0.042	8.02	PASS
			TN	VH	0.006	1.15	PASS
11AC20	Ant1	149	TN	VL	0.021	3.99	PASS
			TN	VN	0.037	7.03	PASS
			TN	VH	0.022	4.18	PASS
11AC20	Ant1	157	TN	VL	-0.001	-0.19	PASS
			TN	VN	0.030	5.68	PASS
			TN	VH	0.040	7.58	PASS
11AC20	Ant1	165	TN	VL	0.024	4.51	PASS
			TN	VN	-0.001	-0.19	PASS
			TN	VH	0.014	2.63	PASS
11AC40	Ant1	151	TN	VL	-0.018	-3.27	PASS
			TN	VN	-0.020	-3.64	PASS
			TN	VH	0.029	5.27	PASS
11AC40	Ant1	159	TN	VL	-0.020	-3.58	PASS
			TN	VN	0.014	2.51	PASS
			TN	VH	-0.032	-5.73	PASS
11AC80	Ant1	155	TN	VL	0.028	4.91	PASS
			TN	VN	-0.023	-4.04	PASS
			TN	VH	-0.010	-1.75	PASS

**Frequency Error vs. Temperature:**

Test Mode	Antenna	Channel	Temp.	Volt.	Freq.Error(MHz)	Freq.vs.rated(ppm)	Verdict
11A	Ant1	38	50	VN	-0.043	-8.30	PASS
			40	VN	0.039	7.53	PASS
			30	VN	-0.027	-5.21	PASS
			20	VN	0.038	7.31	PASS
			10	VN	0.021	4.04	PASS
			0	VN	-0.004	-0.77	PASS
			-10	VN	-0.043	-8.21	PASS
			-20	VN	0.017	3.24	PASS
			-30	VN	-0.036	-6.87	PASS
11A	Ant1	40	50	VN	-0.032	-6.08	PASS
			40	VN	0.024	4.56	PASS
			30	VN	-0.054	-10.27	PASS
			20	VN	-0.042	-7.95	PASS
			10	VN	0.051	9.66	PASS
			0	VN	-0.014	-2.65	PASS
			-10	VN	-0.004	-0.75	PASS
			-20	VN	-0.005	-0.94	PASS
			-30	VN	0.026	4.89	PASS
11A	Ant1	48	50	VN	0.046	8.36	PASS
			40	VN	-0.038	-6.91	PASS
			30	VN	0.015	2.73	PASS
			20	VN	0.024	4.30	PASS
			10	VN	0.028	5.02	PASS
			0	VN	-0.023	-4.12	PASS
			-10	VN	0.035	6.14	PASS
			-20	VN	-0.045	-7.89	PASS
			-30	VN	0.016	2.81	PASS
11N20	Ant1	36	50	VN	0.026	4.53	PASS
			40	VN	0.053	9.23	PASS
			30	VN	0.013	2.26	PASS
			20	VN	-0.008	-1.39	PASS
			10	VN	-0.017	-2.94	PASS

			0	VN	-0.042	-7.26	PASS
			-10	VN	-0.048	-8.30	PASS
			-20	VN	-0.053	-9.10	PASS
			-30	VN	0.050	8.58	PASS
11N20	Ant1	40	50	VN	-0.055	-9.44	PASS
			40	VN	-0.005	-0.97	PASS
			30	VN	-0.036	-6.95	PASS
			20	VN	0.016	3.09	PASS
			10	VN	0.031	5.96	PASS
			0	VN	-0.027	-5.19	PASS
			-10	VN	0.034	6.54	PASS
			-20	VN	-0.005	-0.95	PASS
			-30	VN	0.004	0.76	PASS
			50	VN	-0.033	-6.30	PASS
11N20	Ant1	48	40	VN	0.002	0.38	PASS
			30	VN	-0.053	-10.08	PASS
			20	VN	0.019	3.61	PASS
			10	VN	-0.050	-9.47	PASS
			0	VN	0.010	1.89	PASS
			-10	VN	-0.015	-2.84	PASS
			-20	VN	0.033	6.20	PASS
			-30	VN	-0.023	-4.32	PASS
			50	VN	-0.008	-1.50	PASS
			40	VN	-0.044	-8.00	PASS
11N40	Ant1	38	30	VN	0.022	4.00	PASS
			20	VN	0.038	6.91	PASS
			10	VN	-0.029	-5.20	PASS
			0	VN	0.033	5.91	PASS
			-10	VN	0.033	5.91	PASS
			-20	VN	-0.039	-6.84	PASS
			-30	VN	0.028	4.91	PASS
			50	VN	0.001	0.18	PASS
			40	VN	-0.034	-5.92	PASS
			30	VN	-0.047	-8.18	PASS
11N40	Ant1	46	20	VN	-0.006	-1.04	PASS
			10	VN	0.042	7.31	PASS

			0	VN	0.041	7.09	PASS
			-10	VN	0.000	0.00	PASS
			-20	VN	0.018	3.11	PASS
			-30	VN	0.022	3.78	PASS
11AC20	Ant1	36	50	VN	0.046	7.90	PASS
			40	VN	-0.047	-8.07	PASS
			30	VN	0.026	5.02	PASS
			20	VN	-0.053	-10.23	PASS
			10	VN	0.010	1.93	PASS
			0	VN	0.056	10.77	PASS
			-10	VN	0.048	9.23	PASS
			-20	VN	0.032	6.15	PASS
			-30	VN	0.003	0.57	PASS
			50	VN	0.044	8.40	PASS
11AC20	Ant1	40	40	VN	0.022	4.20	PASS
			30	VN	-0.026	-4.94	PASS
			20	VN	-0.027	-5.13	PASS
			10	VN	0.031	5.89	PASS
			0	VN	0.021	3.98	PASS
			-10	VN	0.030	5.68	PASS
			-20	VN	0.039	7.39	PASS
			-30	VN	0.000	0.00	PASS
			50	VN	-0.012	-2.26	PASS
			40	VN	0.015	2.82	PASS
11AC20	Ant1	48	30	VN	-0.001	-0.18	PASS
			20	VN	-0.011	-2.00	PASS
			10	VN	-0.046	-8.36	PASS
			0	VN	0.026	4.66	PASS
			-10	VN	-0.014	-2.51	PASS
			-20	VN	0.026	4.66	PASS
			-30	VN	-0.025	-4.39	PASS
			50	VN	0.023	4.04	PASS
			40	VN	-0.035	-6.14	PASS
			30	VN	-0.029	-5.05	PASS
11AC40	Ant1	38	20	VN	-0.040	-6.96	PASS
			10	VN	-0.041	-7.14	PASS

			0	VN	-0.054	-9.40	PASS
			-10	VN	0.020	3.46	PASS
			-20	VN	-0.035	-6.05	PASS
			-30	VN	0.038	6.57	PASS
11AC40	Ant1	46	50	VN	-0.017	-2.92	PASS
			40	VN	0.051	8.76	PASS
			30	VN	0.003	0.52	PASS
			20	VN	-0.018	-3.47	PASS
			10	VN	-0.015	-2.90	PASS
			0	VN	0.000	0.00	PASS
			-10	VN	-0.032	-6.15	PASS
			-20	VN	0.053	10.19	PASS
			-30	VN	0.010	1.92	PASS
			50	VN	-0.002	-0.38	PASS
11AC80	Ant1	42	40	VN	0.041	7.82	PASS
			30	VN	0.020	3.82	PASS
			20	VN	-0.023	-4.37	PASS
			10	VN	0.057	10.84	PASS
			0	VN	0.048	9.13	PASS
			-10	VN	0.036	6.82	PASS
			-20	VN	-0.015	-2.84	PASS
			-30	VN	0.046	8.71	PASS
			50	VN	0.002	0.38	PASS
			40	VN	-0.010	-1.88	PASS
11A	Ant1	52	30	VN	0.024	4.51	PASS
			20	VN	0.046	8.36	PASS
			10	VN	-0.020	-3.64	PASS
			0	VN	0.035	6.36	PASS
			-10	VN	0.021	3.76	PASS
			-20	VN	0.041	7.35	PASS
			-30	VN	0.028	5.02	PASS
			50	VN	-0.040	-7.02	PASS
			40	VN	-0.036	-6.32	PASS
			30	VN	-0.028	-4.91	PASS
11A	Ant1	56	20	VN	-0.041	-7.14	PASS
			10	VN	0.015	2.61	PASS

			0	VN	0.040	6.96	PASS
			-10	VN	0.013	2.26	PASS
			-20	VN	-0.023	-3.98	PASS
			-30	VN	-0.047	-8.12	PASS
11A	Ant1	64	50	VN	0.032	5.53	PASS
			40	VN	-0.054	-9.27	PASS
			30	VN	-0.031	-5.32	PASS
			20	VN	-0.024	-4.12	PASS
			10	VN	0.052	10.04	PASS
			0	VN	0.023	4.44	PASS
			-10	VN	0.013	2.51	PASS
			-20	VN	0.032	6.15	PASS
			-30	VN	-0.008	-1.54	PASS
			50	VN	-0.016	-3.08	PASS
11N20	Ant1	52	40	VN	-0.053	-10.11	PASS
			30	VN	-0.002	-0.38	PASS
			20	VN	-0.025	-4.77	PASS
			10	VN	-0.018	-3.42	PASS
			0	VN	-0.043	-8.17	PASS
			-10	VN	0.060	11.41	PASS
			-20	VN	0.012	2.27	PASS
			-30	VN	-0.042	-7.95	PASS
			50	VN	0.009	1.70	PASS
			40	VN	0.002	0.38	PASS
11N20	Ant1	56	30	VN	-0.038	-7.14	PASS
			20	VN	0.023	4.32	PASS
			10	VN	0.016	2.91	PASS
			0	VN	-0.013	-2.36	PASS
			-10	VN	0.053	9.64	PASS
			-20	VN	-0.026	-4.66	PASS
			-30	VN	0.020	3.58	PASS
			50	VN	-0.038	-6.81	PASS
			40	VN	-0.049	-8.60	PASS
			30	VN	-0.006	-1.05	PASS
11N20	Ant1	64	20	VN	0.032	6.18	PASS
			10	VN	0.033	6.37	PASS

			0	VN	-0.004	-0.77	PASS
			-10	VN	-0.016	-3.08	PASS
			-20	VN	-0.031	-5.96	PASS
			-30	VN	0.012	2.31	PASS
11N40	Ant1	54	50	VN	0.023	4.39	PASS
			40	VN	-0.026	-4.96	PASS
			30	VN	0.047	8.97	PASS
			20	VN	-0.051	-9.70	PASS
			10	VN	-0.035	-6.65	PASS
			0	VN	-0.021	-3.99	PASS
			-10	VN	-0.037	-7.01	PASS
			-20	VN	-0.004	-0.76	PASS
			-30	VN	0.055	10.42	PASS
			50	VN	0.052	9.77	PASS
11N40	Ant1	62	40	VN	0.044	8.27	PASS
			30	VN	0.007	1.32	PASS
			20	VN	-0.025	-4.55	PASS
			10	VN	0.055	10.00	PASS
			0	VN	0.045	8.18	PASS
			-10	VN	0.044	7.89	PASS
			-20	VN	-0.009	-1.61	PASS
			-30	VN	0.046	8.24	PASS
			50	VN	-0.013	-2.28	PASS
			40	VN	0.022	3.86	PASS
11AC20	Ant1	52	30	VN	-0.020	-3.51	PASS
			20	VN	-0.024	-4.18	PASS
			10	VN	0.040	6.96	PASS
			0	VN	-0.002	-0.35	PASS
			-10	VN	0.021	3.66	PASS
			-20	VN	0.013	2.25	PASS
			-30	VN	0.020	3.46	PASS
			50	VN	0.023	3.98	PASS
			40	VN	-0.006	-1.03	PASS
			30	VN	0.009	1.55	PASS
11AC20	Ant1	56	20	VN	-0.051	-8.76	PASS
			10	VN	0.040	7.72	PASS

			0	VN	0.030	5.79	PASS
			-10	VN	0.019	3.67	PASS
			-20	VN	-0.025	-4.81	PASS
			-30	VN	-0.031	-5.96	PASS
11AC20	Ant1	64	50	VN	0.045	8.65	PASS
			40	VN	-0.055	-10.50	PASS
			30	VN	0.014	2.67	PASS
			20	VN	-0.045	-8.59	PASS
			10	VN	-0.012	-2.28	PASS
			0	VN	0.011	2.09	PASS
			-10	VN	-0.016	-3.04	PASS
			-20	VN	-0.027	-5.11	PASS
			-30	VN	0.008	1.52	PASS
			50	VN	0.009	1.70	PASS
11AC40	Ant1	54	40	VN	-0.014	-2.63	PASS
			30	VN	-0.017	-3.20	PASS
			20	VN	-0.047	-8.83	PASS
			10	VN	-0.012	-2.18	PASS
			0	VN	-0.051	-9.27	PASS
			-10	VN	0.050	9.09	PASS
			-20	VN	-0.044	-7.89	PASS
			-30	VN	0.030	5.38	PASS
			50	VN	0.032	5.73	PASS
			40	VN	0.059	10.35	PASS
11AC40	Ant1	62	30	VN	0.020	3.51	PASS
			20	VN	0.043	7.54	PASS
			10	VN	0.037	6.44	PASS
			0	VN	-0.040	-6.96	PASS
			-10	VN	0.000	0.00	PASS
			-20	VN	-0.042	-7.31	PASS
			-30	VN	-0.041	-7.09	PASS
			50	VN	0.051	8.82	PASS
			40	VN	0.044	7.61	PASS
			30	VN	-0.023	-3.95	PASS
11AC80	Ant1	58	20	VN	-0.052	-8.93	PASS
			10	VN	0.007	1.20	PASS

			0	VN	-0.051	-9.85	PASS
			-10	VN	-0.049	-9.46	PASS
			-20	VN	0.019	3.67	PASS
			-30	VN	-0.001	-0.19	PASS
11A	Ant1	100	50	VN	-0.053	-10.19	PASS
			40	VN	0.026	5.00	PASS
			30	VN	-0.004	-0.76	PASS
			20	VN	0.002	0.38	PASS
			10	VN	0.052	9.92	PASS
			0	VN	0.045	8.56	PASS
			-10	VN	-0.024	-4.56	PASS
			-20	VN	0.044	8.37	PASS
			-30	VN	0.012	2.27	PASS
			50	VN	-0.009	-1.70	PASS
11A	Ant1	116	40	VN	-0.031	-5.87	PASS
			30	VN	0.028	5.26	PASS
			20	VN	0.001	0.19	PASS
			10	VN	0.025	4.70	PASS
			0	VN	-0.023	-4.18	PASS
			-10	VN	-0.039	-7.09	PASS
			-20	VN	-0.054	-9.82	PASS
			-30	VN	-0.030	-5.38	PASS
			50	VN	-0.015	-2.69	PASS
			40	VN	-0.049	-8.78	PASS
11A	Ant1	140	30	VN	0.042	7.37	PASS
			20	VN	0.014	2.46	PASS
			10	VN	-0.012	-2.11	PASS
			0	VN	0.031	5.40	PASS
			-10	VN	-0.006	-1.04	PASS
			-20	VN	-0.047	-8.18	PASS
			-30	VN	0.047	8.18	PASS
			50	VN	-0.035	-6.05	PASS
			40	VN	0.049	8.47	PASS
			30	VN	-0.026	-4.49	PASS
11N20	Ant1	100	20	VN	0.049	8.41	PASS
			10	VN	-0.045	-7.73	PASS

			0	VN	0.005	0.86	PASS
			-10	VN	-0.028	-5.41	PASS
			-20	VN	0.016	3.09	PASS
			-30	VN	0.054	10.42	PASS
11N20	Ant1	116	50	VN	0.002	0.38	PASS
			40	VN	0.039	7.50	PASS
			30	VN	0.027	5.19	PASS
			20	VN	0.027	5.15	PASS
			10	VN	0.008	1.53	PASS
			0	VN	0.022	4.20	PASS
			-10	VN	0.048	9.13	PASS
			-20	VN	-0.020	-3.80	PASS
			-30	VN	0.016	3.04	PASS
			50	VN	-0.011	-2.08	PASS
11N20	Ant1	140	40	VN	0.031	5.87	PASS
			30	VN	-0.026	-4.92	PASS
			20	VN	-0.013	-2.44	PASS
			10	VN	0.019	3.57	PASS
			0	VN	-0.008	-1.50	PASS
			-10	VN	-0.040	-7.27	PASS
			-20	VN	-0.018	-3.27	PASS
			-30	VN	0.000	0.00	PASS
			50	VN	0.056	10.04	PASS
			40	VN	0.035	6.27	PASS
11N40	Ant1	102	30	VN	-0.038	-6.81	PASS
			20	VN	0.004	0.70	PASS
			10	VN	-0.030	-5.26	PASS
			0	VN	0.055	9.65	PASS
			-10	VN	0.001	0.17	PASS
			-20	VN	0.058	10.10	PASS
			-30	VN	-0.003	-0.52	PASS
			50	VN	0.031	5.40	PASS
			40	VN	-0.041	-7.09	PASS
			30	VN	-0.044	-7.61	PASS
11N40	Ant1	110	20	VN	-0.041	-7.09	PASS
			10	VN	0.005	0.86	PASS

			0	VN	0.043	7.38	PASS
			-10	VN	0.002	0.34	PASS
			-20	VN	0.007	1.35	PASS
			-30	VN	0.057	11.00	PASS
11N40	Ant1	134	50	VN	-0.049	-9.46	PASS
			40	VN	0.060	11.54	PASS
			30	VN	0.052	10.00	PASS
			20	VN	0.031	5.96	PASS
			10	VN	-0.004	-0.76	PASS
			0	VN	0.006	1.15	PASS
			-10	VN	0.050	9.54	PASS
			-20	VN	0.010	1.90	PASS
			-30	VN	0.052	9.89	PASS
			50	VN	0.010	1.90	PASS
11AC20	Ant1	100	40	VN	-0.023	-4.36	PASS
			30	VN	-0.018	-3.41	PASS
			20	VN	-0.053	-10.04	PASS
			10	VN	0.017	3.20	PASS
			0	VN	0.027	5.08	PASS
			-10	VN	0.011	2.07	PASS
			-20	VN	0.046	8.36	PASS
			-30	VN	0.056	10.18	PASS
			50	VN	0.047	8.55	PASS
			40	VN	-0.001	-0.18	PASS
11AC20	Ant1	116	30	VN	0.034	6.09	PASS
			20	VN	0.044	7.89	PASS
			10	VN	0.000	0.00	PASS
			0	VN	0.046	8.07	PASS
			-10	VN	-0.036	-6.95	PASS
			-20	VN	0.051	9.85	PASS
			-30	VN	0.059	11.39	PASS
			50	VN	-0.047	-9.04	PASS
			40	VN	-0.044	-8.46	PASS
			30	VN	-0.053	-10.19	PASS
11AC20	Ant1	140	20	VN	0.051	9.73	PASS
			10	VN	-0.012	-2.29	PASS

			0	VN	-0.038	-7.25	PASS
			-10	VN	0.042	7.98	PASS
			-20	VN	0.054	10.27	PASS
			-30	VN	-0.010	-1.90	PASS
11AC40	Ant1	102	50	VN	0.060	11.36	PASS
			40	VN	0.002	0.38	PASS
			30	VN	0.013	2.46	PASS
			20	VN	-0.055	-10.34	PASS
			10	VN	0.020	3.76	PASS
			0	VN	-0.029	-5.45	PASS
			-10	VN	0.010	1.82	PASS
			-20	VN	-0.055	-10.00	PASS
			-30	VN	-0.024	-4.36	PASS
			50	VN	-0.009	-1.61	PASS
11AC40	Ant1	110	40	VN	-0.036	-6.45	PASS
			30	VN	0.012	2.15	PASS
			20	VN	-0.021	-3.68	PASS
			10	VN	-0.010	-1.75	PASS
			0	VN	0.003	0.53	PASS
			-10	VN	-0.042	-7.31	PASS
			-20	VN	0.039	6.79	PASS
			-30	VN	0.039	6.79	PASS
			50	VN	-0.020	-3.48	PASS
			40	VN	-0.046	-7.95	PASS
11AC40	Ant1	134	30	VN	0.059	10.20	PASS
			20	VN	0.030	5.19	PASS
			10	VN	0.004	0.69	PASS
			0	VN	-0.028	-4.81	PASS
			-10	VN	-0.052	-8.93	PASS
			-20	VN	0.048	9.27	PASS
			-30	VN	0.037	7.14	PASS
			50	VN	0.024	4.63	PASS
			40	VN	0.044	8.46	PASS
			30	VN	0.043	8.27	PASS
11AC80	Ant1	106	20	VN	-0.029	-5.58	PASS
			10	VN	-0.049	-9.35	PASS

			0	VN	0.031	5.92	PASS
			-10	VN	-0.042	-8.02	PASS
			-20	VN	-0.045	-8.56	PASS
			-30	VN	0.043	8.17	PASS
11A	Ant1	149	50	VN	0.019	3.61	PASS
			40	VN	-0.050	-9.47	PASS
			30	VN	-0.011	-2.08	PASS
			20	VN	0.017	3.22	PASS
			10	VN	0.019	3.57	PASS
			0	VN	0.046	8.65	PASS
			-10	VN	-0.009	-1.69	PASS
			-20	VN	-0.003	-0.55	PASS
			-30	VN	-0.022	-4.00	PASS
			50	VN	0.007	1.27	PASS
11A	Ant1	157	40	VN	-0.052	-9.32	PASS
			30	VN	0.025	4.48	PASS
			20	VN	0.027	4.84	PASS
			10	VN	-0.002	-0.35	PASS
			0	VN	0.006	1.05	PASS
			-10	VN	-0.020	-3.51	PASS
			-20	VN	-0.015	-2.61	PASS
			-30	VN	0.000	0.00	PASS
			50	VN	-0.050	-8.70	PASS
			40	VN	0.021	3.66	PASS
11A	Ant1	165	30	VN	-0.040	-6.91	PASS
			20	VN	-0.037	-6.40	PASS
			10	VN	-0.054	-9.33	PASS
			0	VN	-0.029	-4.98	PASS
			-10	VN	-0.014	-2.40	PASS
			-20	VN	-0.005	-0.86	PASS
			-30	VN	0.028	5.41	PASS
			50	VN	-0.013	-2.51	PASS
			40	VN	0.004	0.77	PASS
			30	VN	0.051	9.81	PASS
11N20	Ant1	149	20	VN	-0.019	-3.65	PASS
			10	VN	0.026	5.00	PASS

			0	VN	-0.002	-0.38	PASS
			-10	VN	-0.023	-4.39	PASS
			-20	VN	0.009	1.72	PASS
			-30	VN	0.029	5.51	PASS
11N20	Ant1	157	50	VN	0.026	4.94	PASS
			40	VN	-0.014	-2.66	PASS
			30	VN	-0.021	-3.98	PASS
			20	VN	0.038	7.20	PASS
			10	VN	-0.006	-1.14	PASS
			0	VN	0.038	7.14	PASS
			-10	VN	0.047	8.83	PASS
			-20	VN	0.056	10.53	PASS
			-30	VN	-0.033	-6.00	PASS
			50	VN	0.012	2.18	PASS
11N20	Ant1	165	40	VN	0.007	1.27	PASS
			30	VN	0.042	7.53	PASS
			20	VN	-0.022	-3.94	PASS
			10	VN	0.007	1.25	PASS
			0	VN	0.025	4.39	PASS
			-10	VN	0.051	8.95	PASS
			-20	VN	-0.053	-9.30	PASS
			-30	VN	-0.035	-6.09	PASS
			50	VN	-0.035	-6.09	PASS
			40	VN	-0.021	-3.66	PASS
11N40	Ant1	151	30	VN	0.050	8.70	PASS
			20	VN	0.041	7.09	PASS
			10	VN	0.022	3.80	PASS
			0	VN	0.033	5.70	PASS
			-10	VN	-0.046	-7.90	PASS
			-20	VN	-0.002	-0.34	PASS
			-30	VN	-0.024	-4.12	PASS
			50	VN	0.017	3.28	PASS
			40	VN	0.047	9.07	PASS
			30	VN	-0.037	-7.14	PASS
11N40	Ant1	159	20	VN	0.009	1.73	PASS
			10	VN	-0.031	-5.96	PASS

			0	VN	0.010	1.92	PASS
			-10	VN	-0.008	-1.53	PASS
			-20	VN	-0.034	-6.49	PASS
			-30	VN	0.009	1.72	PASS
11AC20	Ant1	149	50	VN	-0.007	-1.33	PASS
			40	VN	0.035	6.65	PASS
			30	VN	0.043	8.17	PASS
			20	VN	-0.053	-10.04	PASS
			10	VN	0.055	10.42	PASS
			0	VN	-0.020	-3.79	PASS
			-10	VN	0.058	10.90	PASS
			-20	VN	0.006	1.13	PASS
			-30	VN	0.059	11.09	PASS
			50	VN	-0.034	-6.18	PASS
11AC20	Ant1	157	40	VN	-0.020	-3.64	PASS
			30	VN	-0.013	-2.36	PASS
			20	VN	-0.041	-7.35	PASS
			10	VN	-0.016	-2.87	PASS
			0	VN	-0.027	-4.84	PASS
			-10	VN	-0.039	-6.84	PASS
			-20	VN	0.029	5.09	PASS
			-30	VN	-0.029	-5.09	PASS
			50	VN	0.014	2.44	PASS
			40	VN	-0.029	-5.05	PASS
11AC20	Ant1	165	30	VN	0.004	0.70	PASS
			20	VN	0.034	5.92	PASS
			10	VN	-0.001	-0.17	PASS
			0	VN	0.004	0.69	PASS
			-10	VN	0.000	0.00	PASS
			-20	VN	-0.047	-8.07	PASS
			-30	VN	0.006	1.03	PASS
			50	VN	0.022	3.78	PASS
			40	VN	-0.022	-4.25	PASS
			30	VN	-0.042	-8.11	PASS
11AC40	Ant1	151	20	VN	0.004	0.77	PASS
			10	VN	-0.030	-5.77	PASS

			0	VN	-0.040	-7.69	PASS
			-10	VN	0.011	2.12	PASS
			-20	VN	0.011	2.10	PASS
			-30	VN	-0.022	-4.20	PASS
11AC40	Ant1	159	50	VN	-0.002	-0.38	PASS
			40	VN	0.048	9.13	PASS
			30	VN	0.044	8.37	PASS
			20	VN	0.050	9.51	PASS
			10	VN	-0.021	-3.98	PASS
			0	VN	0.059	11.17	PASS
			-10	VN	0.004	0.76	PASS
			-20	VN	-0.045	-8.46	PASS
			-30	VN	0.007	1.32	PASS
			50	VN	0.014	2.63	PASS
11AC80	Ant1	155	40	VN	0.005	0.91	PASS
			30	VN	-0.034	-6.18	PASS
			20	VN	-0.019	-3.45	PASS
			10	VN	0.041	7.35	PASS
			0	VN	0.028	5.02	PASS
			-10	VN	-0.001	-0.18	PASS
			-20	VN	0.019	3.33	PASS
			-30	VN	0.013	2.28	PASS

## 4.7 Automatically Discontinue Transmission

### 4.7.1 Limit of Automatically Discontinue Transmission

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization to describe how this requirement is met.

### 4.7.2 Test Result of Automatically Discontinue Transmission

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

## 4.8 Antenna Requirements

### 4.8.1 Standard Applicable

If transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### 4.8.2 Antenna Connected Construction

An embedded-in antenna design is used.

### 4.8.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.

## 5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Due Date	Remark
Spectrum Analyzer	Keysight	N9010A	MY56070788	2019-01-23	2020-01-22	Conducted
Power Sensor	Keysight	U2021XA	MY56510025	2019-01-23	2020-01-22	Conducted
Power Sensor	Keysight	U2021XA	MY57030005	2019-01-23	2020-01-22	Conducted
Power Sensor	Keysight	U2021XA	MY56510018	2019-01-23	2020-01-22	Conducted
Power Sensor	Keysight	U2021XA	MY56480002	2019-01-23	2020-01-22	Conducted
Thermal Chamber	Sanmtest	SMC-408-CD	2435	2019-05-09	2020-05-08	Conducted
Base Station	R&S	CMW 270	101231	2019-01-23	2020-01-22	Conducted
Signal Generator (Interferer)	Keysight	N5182B	MY56200384	2019-04-19	2020-04-18	Conducted
Signal Generator (Blocker)	Keysight	N5171B	MY56200661	2019-01-23	2020-01-22	Conducted

Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV 40	101433	2019-02-18	2020-02-17	Radiation
Amplifier	Sonoma	310	363917	2019-01-22	2020-01-21	Radiation
Amplifier	Schwarzbeck	BBV 9718	327	2019-01-22	2020-01-21	Radiation
Amplifier	Narda	TTA1840-35-HG	2034380	2019-05-15	2020-05-14	Radiation
Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-051	2017-03-03	2020-03-02	Radiation
Broadband Antenna	Schwarzbeck	VULB 9168	9168-757	2017-03-03	2020-03-02	Radiation
Horn Antenna	Schwarzbeck	BBHA 9120 D	1677	2017-03-03	2020-03-02	Radiation
Horn Antenna	COM-POWER	AH-1840	101117	2018-06-20	2021-06-19	Radiation
Test Software	Audix	E3	6.111221a	N/A	N/A	Radiation
Filter	Micro-Tronics	BRM 50702	G266	N/A	N/A	Radiation

Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Due Date	Remark
LISN	R&S	ENV216	102125	2019-01-22	2020-01-21	Conducted
LISN	R&S	ENV432	101327	2019-01-22	2020-01-21	Conducted
EMI Test Receiver	R&S	ESR3	102143	2019-01-23	2020-01-22	Conducted
EMI Test Software	Audix	E3	N/A	N/A	N/A	Conducted

N/A: No Calibration Required

## 6 Uncertainty of Evaluation

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emissions	9kHz~30MHz	2.67dB
Radiated emissions	30MHz ~ 1GHz	5.05dB
	1GHz ~ 18GHz	5.06 dB
	18GHz ~ 40GHz	3.65dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

## Appendix A1: Emission Bandwidth

### Test Result

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1		29.640	5165.760	5195.400	---	PASS
			30.120	5185.680	5215.800	---	PASS
			32.120	5224.640	5256.760	---	PASS
			24.000	5247.600	5271.600	---	PASS
			23.760	5268.440	5292.200	---	PASS
			24.920	5307.280	5332.200	---	PASS
			25.760	5486.800	5512.560	---	PASS
			25.400	5567.120	5592.520	---	PASS
			26.560	5685.800	5712.360	---	PASS
			24.800	5732.480	5757.280	---	PASS
			24.120	5772.560	5796.680	---	PASS
			24.720	5812.480	5837.200	---	PASS
11N20SISO	Ant1		26.000	5167.480	5193.480	---	PASS
			24.840	5188.640	5213.480	---	PASS
			28.040	5225.440	5253.480	---	PASS
			21.160	5249.360	5270.520	---	PASS
			21.120	5269.400	5290.520	---	PASS
			21.320	5309.280	5330.600	---	PASS
			21.480	5489.360	5510.840	---	PASS
			21.520	5569.120	5590.640	---	PASS
			21.280	5689.320	5710.600	---	PASS
			21.160	5734.360	5755.520	---	PASS
			21.280	5774.320	5795.600	---	PASS
			21.240	5814.360	5835.600	---	PASS
11N40SISO	Ant1		43.280	5169.360	5202.640	---	PASS
			43.600	5209.360	5242.640	---	PASS
			44.800	5247.840	5292.640	---	PASS
			44.000	5287.760	5331.760	---	PASS
			45.120	5488.000	5533.120	---	PASS
			43.280	5528.000	5571.280	---	PASS
			43.040	5648.000	5691.040	---	PASS

		5755	47.760	5730.360	5778.120	---	PASS
			45.840	5770.280	5816.120	---	PASS
11AC20SISO	Ant1		21.840	5169.080	5190.920	---	PASS
			23.600	5188.800	5212.400	---	PASS
			21.600	5229.120	5250.720	---	PASS
			21.200	5249.200	5270.400	---	PASS
			21.520	5269.080	5290.600	---	PASS
			21.720	5308.920	5330.640	---	PASS
			21.320	5489.360	5510.680	---	PASS
			21.040	5569.400	5590.440	---	PASS
			21.160	5689.320	5710.480	---	PASS
			21.080	5734.400	5755.480	---	PASS
			21.040	5774.360	5795.400	---	PASS
			21.080	5814.440	5835.520	---	PASS
11AC40SISO	Ant1		42.480	5169.120	5211.600	---	PASS
			42.320	5209.120	5251.440	---	PASS
			41.760	5249.280	5291.040	---	PASS
			41.840	5289.120	5330.960	---	PASS
			41.920	5489.200	5531.120	---	PASS
			41.840	5529.280	5571.120	---	PASS
			41.760	5649.120	5690.880	---	PASS
			41.600	5734.520	5776.120	---	PASS
			41.520	5774.440	5815.960	---	PASS
11AC80SISO	Ant1		82.560	5169.360	5251.920	---	PASS
			81.280	5249.520	5330.800	---	PASS
			81.280	5489.520	5570.800	---	PASS
			80.960	5569.520	5650.480	---	PASS
			80.800	5734.520	5815.320	---	PASS

## Test Graphs



