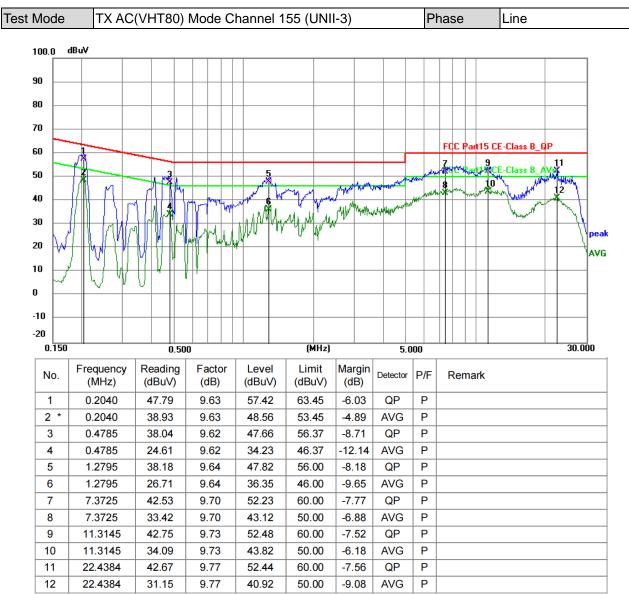


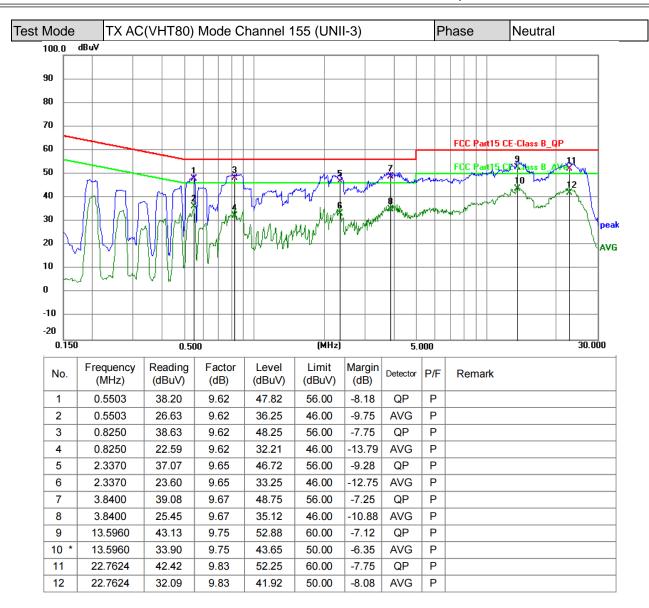


APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS



- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.
- (3) The test result has included the cable loss.





- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.
- (3) The test result has included the cable loss.

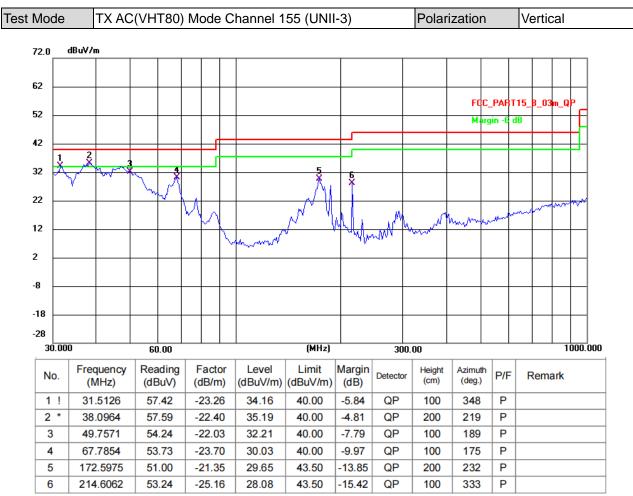


APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported. There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

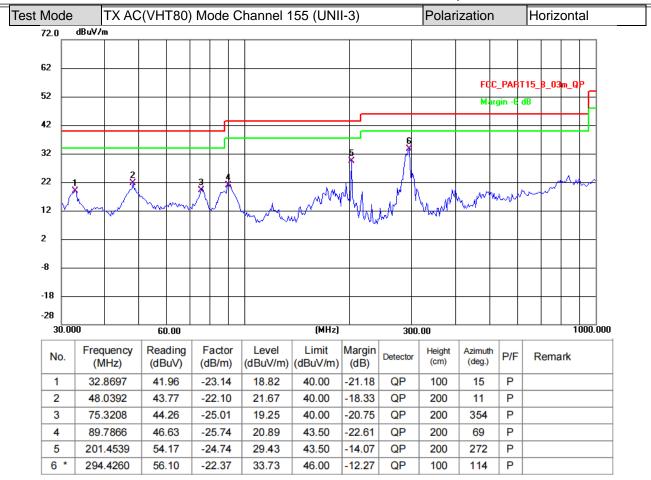


APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ



- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.





- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ

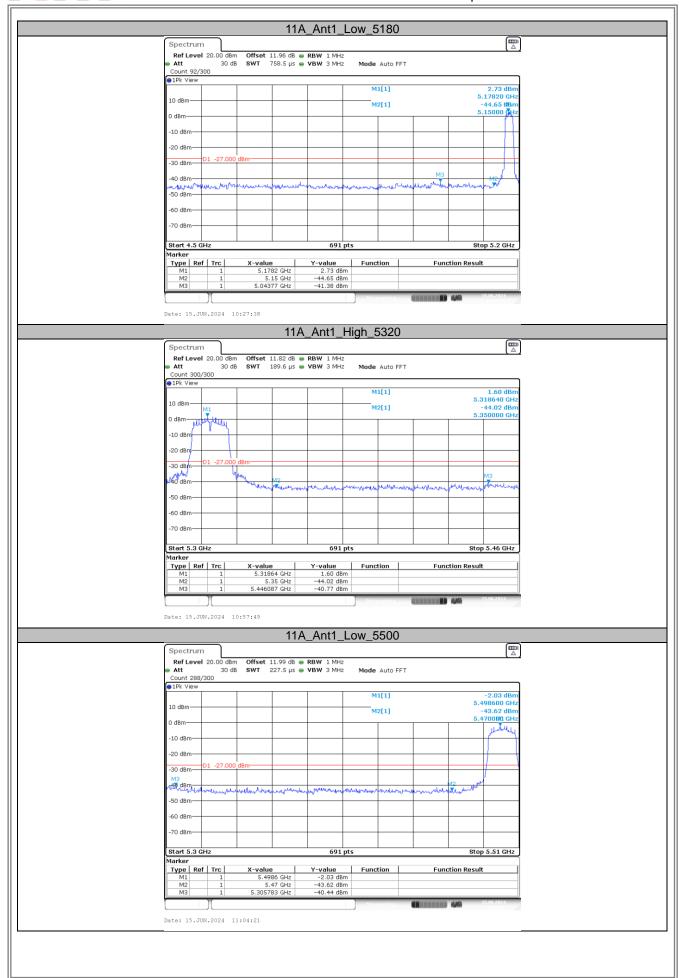
Test Result of Band edges.

TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
		Low	5180	-41.38	≤-27	PASS
44.0	A 44	High	5320	-40.77	≤-27	PASS
11A	Ant1	Low	5500	-40.44	≤-27	PASS
		High	5700	-41.53	≤-27	PASS
		Low	5180	-40.85	≤-27	PASS
11N20SISO	Ant1	High	5320	-41.35	≤-27	PASS
1111/203130	Anti	Low	5500	-40.91	≤-27	PASS
		High	5700	-41.23	≤-27	PASS
		Low	5190	-40.65	≤-27	PASS
11N40SISO	Ant1	High	5310	-40.57	≤-27	PASS
1111403130	Anti	Low	5510	-40.76	≤-27	PASS
		High	5670	-41.21	≤-27	PASS
		Low	5180	-41.61	≤-27	PASS
11AC20SISO	Ant1	High	5320	-40.79	≤-27	PASS
11AC20313O	Anti	Low	5500	-41.38	≤-27	PASS
		High	5700	-41.18	≤-27	PASS
		Low	5190	-41.98	≤-27	PASS
11AC40SISO	Ant1	High	5310	-39.77	≤-27	PASS
1140403130	Anti	Low	5510	-39.57	≤-27	PASS
		High	5670	-41.26	≤-27	PASS
		Low	5210	-41.28	≤-27	PASS
11AC80SISO	Ant1	High	5290	-38	≤-27	PASS
TIACOUSISO	Allti	Low	5530	-37.54	≤-27	PASS
		High	5610	-41.53	≤-27	PASS

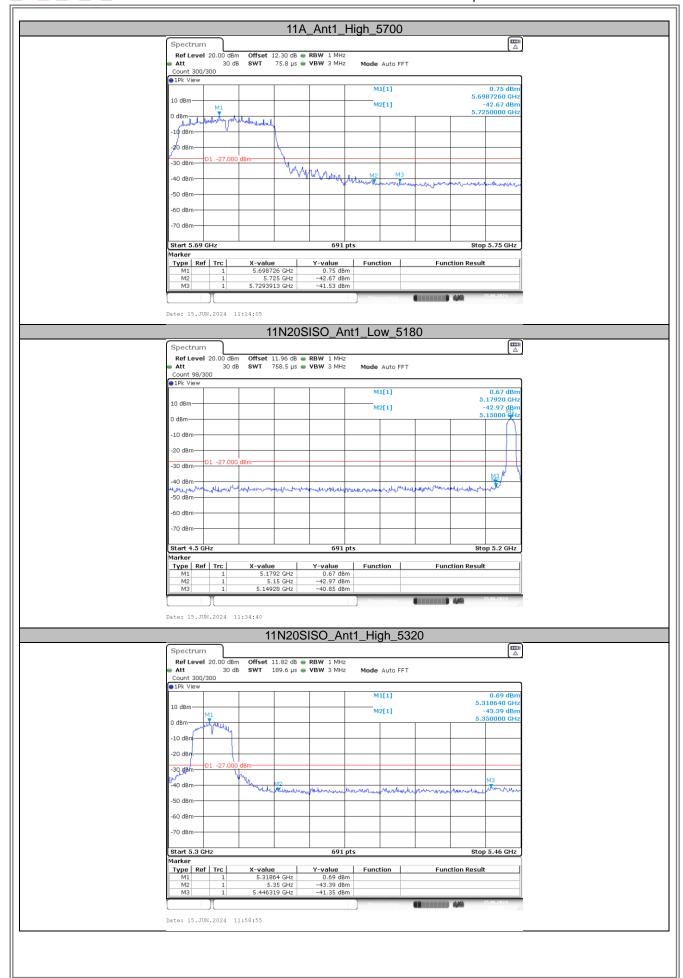


TestMod e	Antenna	ChName	Freq(MHz)	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
				5650~5700	-42.18	≤8.15	PASS
		Law	<i>-74-</i>	5700~5720	-41.64	≤10.98	PASS
		Low	5745	5720~5725	-40.32	≤21.30	PASS
44.0	A 14			5760~5650	-42.19	≤-27	PASS
11A	Ant1			5850~5855	-41.86	≤19.37	PASS
			5005	5855~5875	-41.67	≤13.88	PASS
		High	5825	5875~5925	-41.19	≤-5.91	PASS
				5925~5935	-43.14	≤-27	PASS
				5650~5700	-41.92	≤-6.03	PASS
		1	57.4F	5700~5720	-42.31	≤15.41	PASS
		Low	5745	5720~5725	-40.15	≤24.72	PASS
11N20SI	A 14			5760~5650	-42.23	≤-27	PASS
SO	Ant1			5850~5855	-41.01	≤16.25	PASS
			5005	5855~5875	-41.7	≤11.64	PASS
		High	5825	5875~5925	-41.74	≤-14.45	PASS
				5925~5935	-40.92	≤-27	PASS
				5650~5700	-41.83	≤-3.05	PASS
				5700~5720	-37.04	≤15.47	PASS
		Low	5755	5720~5725	-36.02	≤19.47	PASS
11N40SI				5780~5650	-43.06	≤-27	PASS
SO	Ant1			5850~5855	-42.89	≤26.75	PASS
		High	5795	5855~5875	-42.18	≤14.19	PASS
				5875~5925	-41.89	≤-21.18	PASS
				5925~5935	-42.08	≤-27	PASS
				5650~5700	-41.46	≤-12.69	PASS
		Low		5700~5720	-42.17	≤13.27	PASS
			5745	5720~5725	-41.59	≤16.74	PASS
11AC20				5760~5650	-42.79	≤-27	PASS
SISO	Ant1			5850~5855	-41.76	≤26.51	PASS
			5005	5855~5875	-41.25	≤14.81	PASS
		High	5825	5875~5925	-41.66	≤-19.08	PASS
				5925~5935	-42.7	≤-27	PASS
				5650~5700	-41.84	≤-17.67	PASS
		1	-7-F	5700~5720	-39.6	≤14.65	PASS
		Low	5755	5720~5725	-37.51	≤26.16	PASS
11AC40	A 14			5780~5650	-41.96	≤-27	PASS
SISO	Ant1			5850~5855	-42.31	≤16.39	PASS
			5705	5855~5875	-42.03	≤10.57	PASS
		High	5795	5875~5925	-40.43	≤-23.12	PASS
				5925~5935	-43.4	≤-27	PASS
				5650~5700	-41.35	≤-9.92	PASS
		1	<i>-77</i> -	5700~5720	-39.54	≤15.36	PASS
		Low	5775	5720~5725	-38.9	≤15.67	PASS
11AC80	A 4.4			5800~5650	-43.08	≤-27	PASS
SISO	Ant1			5850~5855	-41.12	≤24.18	PASS
			-77-	5855~5875	-40.38	≤11.83	PASS
		High	5775	5875~5925	-41.24	≤-25.65	PASS
				5925~5935	-43.18	≤-27	PASS

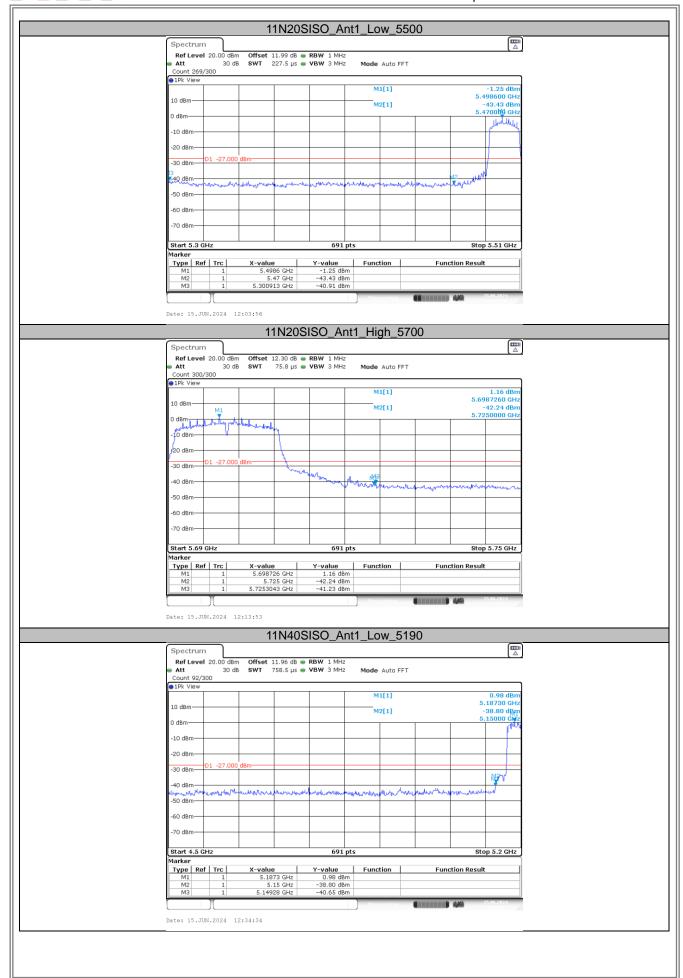




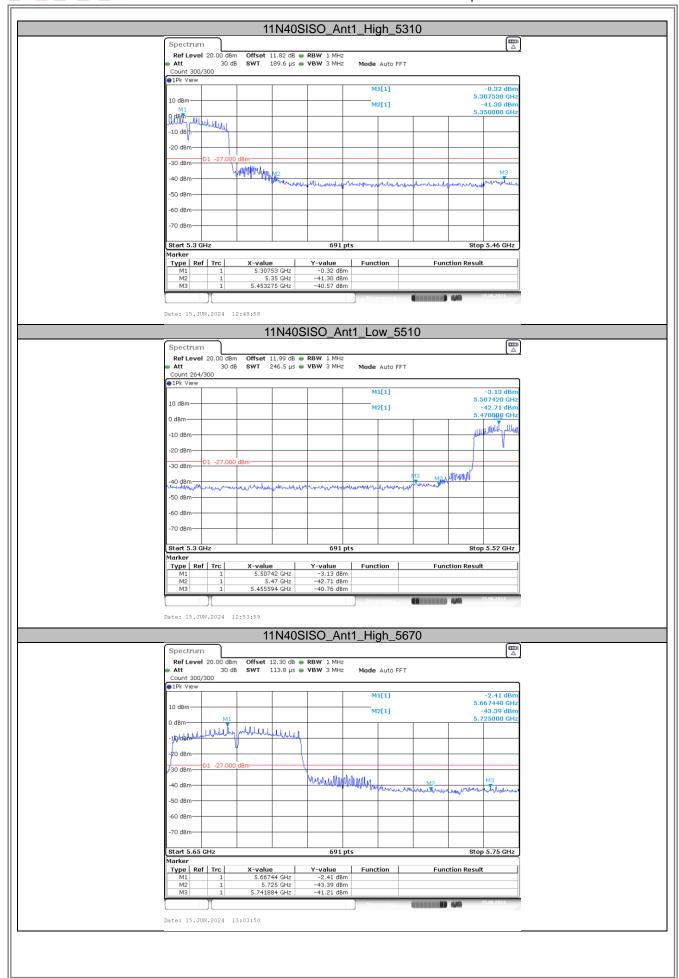




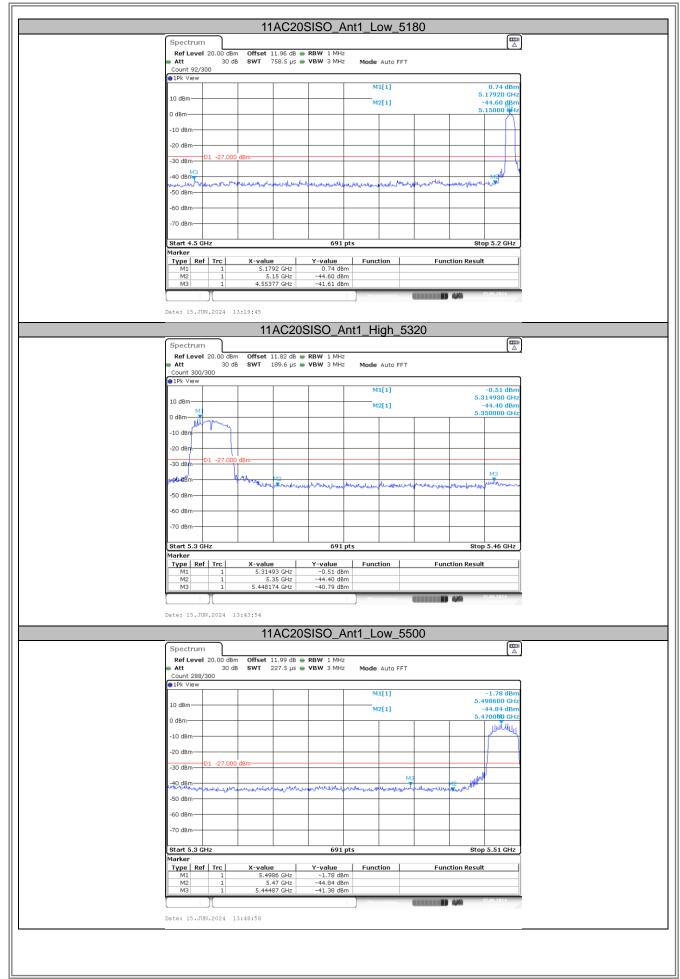




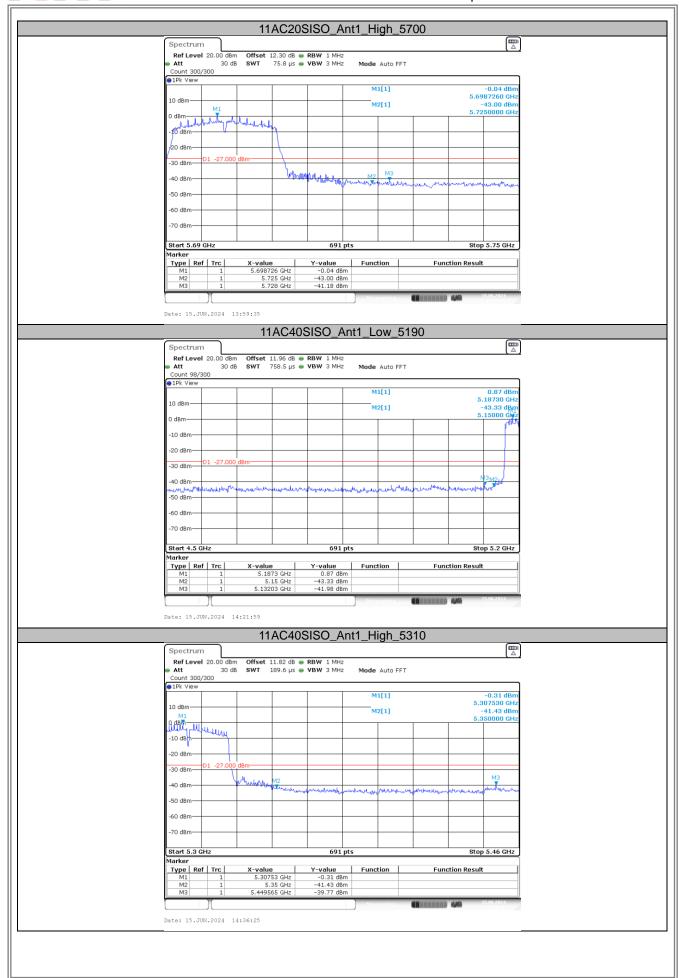




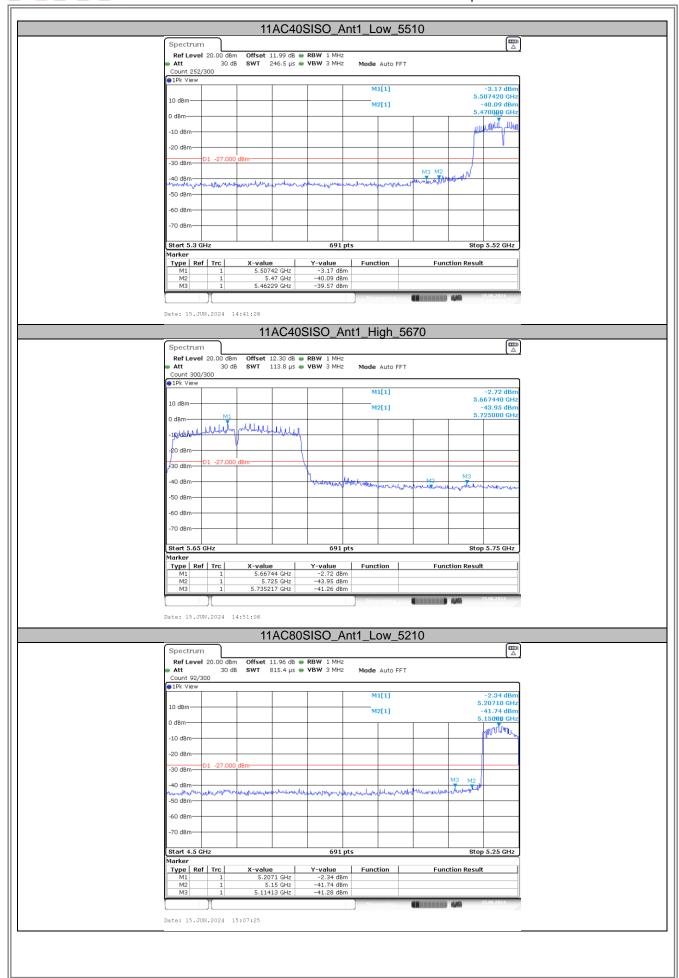




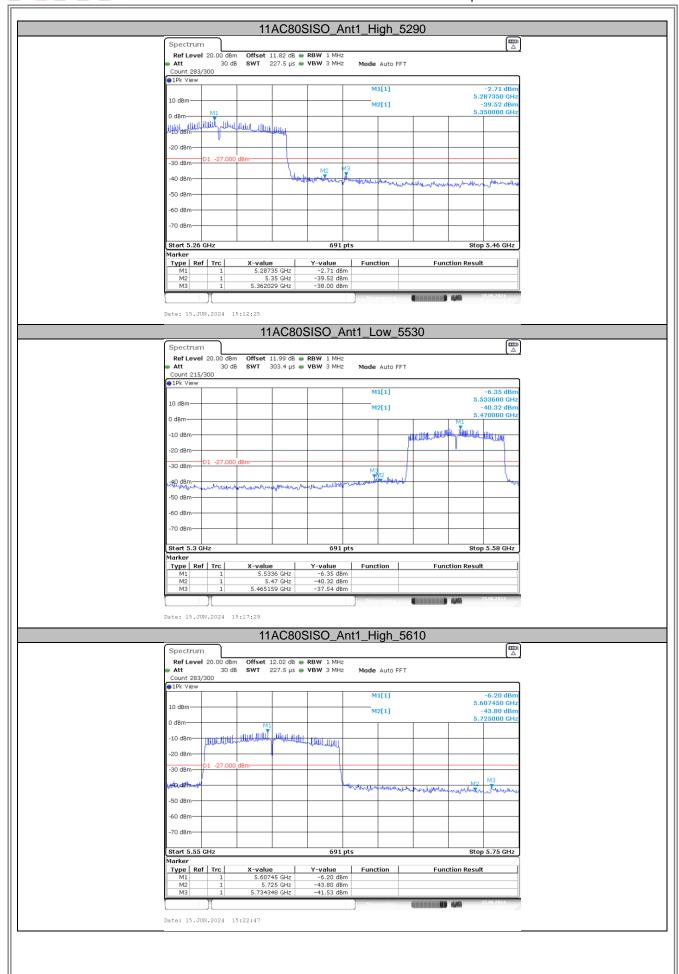




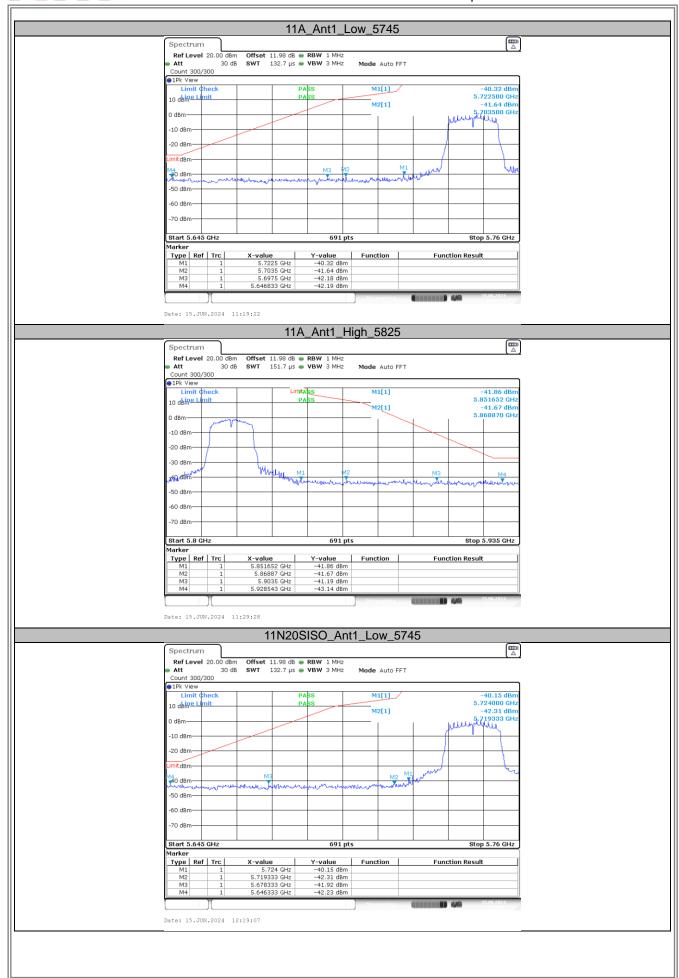




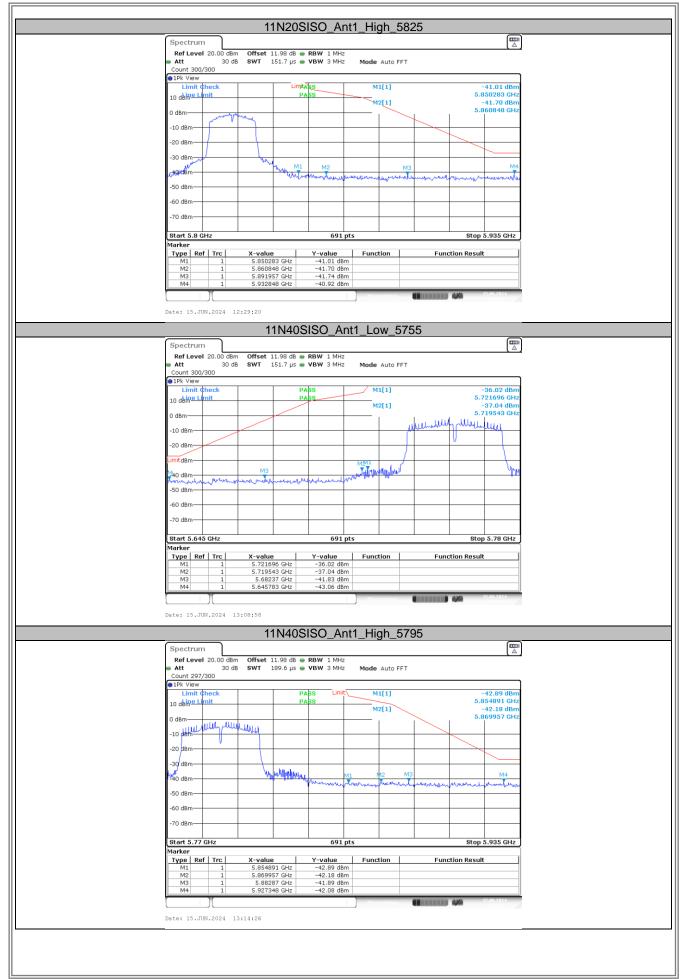




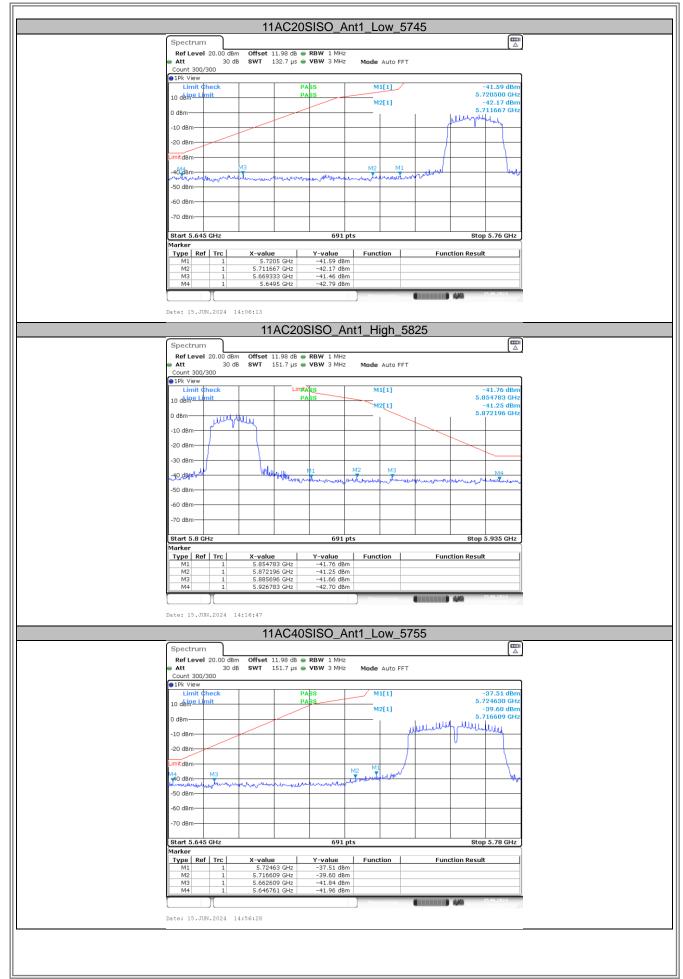




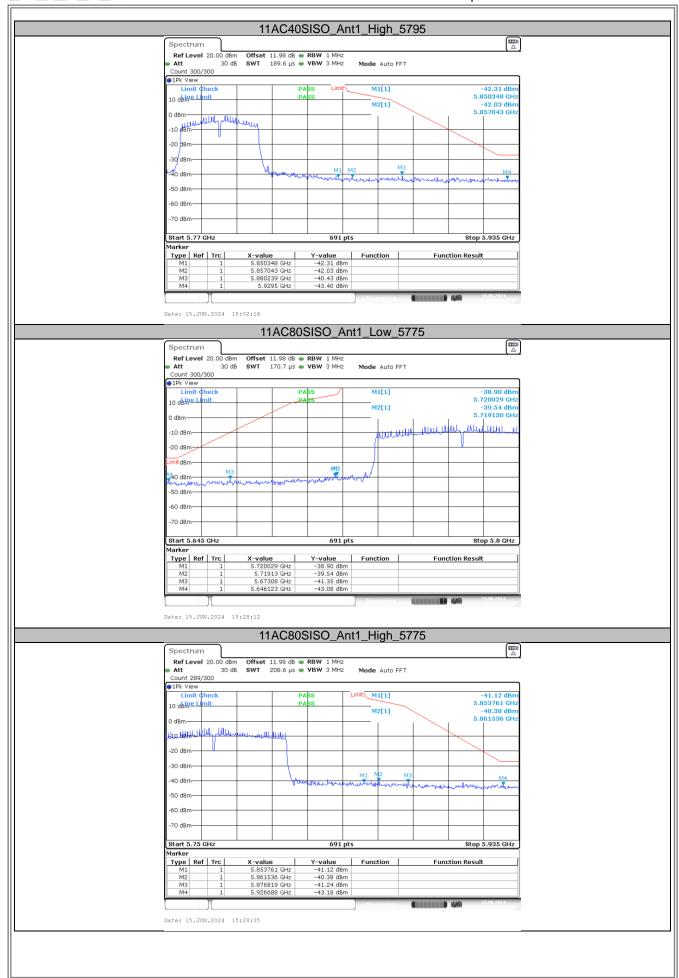














ABOVE 1000 MHz

Note: All the modes have been tested and recorded worst mode in the report. UNII-1

	11A Channel 36 / 5180 MHz									
Frequency	Ant.Pol.	Peak reading	AV reading	Correction Factor	Emissio		Peak Limit	AV Limit	Margin	
Troquency	H/V	(dBuV)	(dBuV)		Peak (dBuV/m)	AV (dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
<mark>10651</mark>	Н	44.36		9.03	53.39		74	54	-20.61	
15523	Н	41.02		9.87	50.89		74	54	-23.11	
	Ι									
10651	V	44.21		9.03	53.24		74	54	-20.76	
15542	V	40.01		9.88	49.89		74	54	-24.11	
	V									
				11A Channel 40 / 520	0 MHz					
_	Ant.Pol.	Peak reading	AV reading		Emissio	n Level	Peak Limit		Margin	
Frequency	H/V	(dBuV)	(dBuV)	Correction Factor	Peak (dBuV/m)	AV (dBuV/m)	(dBuV/m)	AV Limit (dBuV/m)	(dB)	
<mark>10668</mark>	Ι	44.07		9.09	53.16		74	54	-20.84	
15600	Ι	39.91		9.91	49.82		74	54	-24.18	
	Н									
<mark>10668</mark>	V	43.58		9.09	52.67		74	54	-21.33	
15600	V	40.04		9.91	49.95		74	54	-24.05	
	V									
				11AChannel 48 / 524	0 MHz					
_	Ant.Pol.	Peak reading	AV reading		Emissio	n Level	Peak Limit	AV Limit	Margin	
Frequency	H/V	(dBuV)	(dBuV)	Correction Factor	Peak (dBuV/m)	AV (dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
<mark>10759</mark>	Н	43.08		9.24	52.32		74	54	-21.68	
15722	Η	39.67		10.01	49.68		74	54	-24.32	
	Ι									
<mark>10759</mark>	V	44.09		9.24	53.33		74	54	-20.67	
15722	V	40.72		10.01	50.73		74	54	-23.27	
	V									

UNII-2A

Г	11A Channel 52 / 5260 MHz									
	-	Ant.Pol.	Peak reading	AV reading		Emissio	n Level	Peak Limit	AV Limit	Margin
	Frequency	H/V	(dBuV)	(dBuV)	Correction Factor	Peak (dBuV/m)	AV (dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)
	10983	Н	44.01		9.44	53.45		74	54	-20.55
١ſ	15781	Н	42.92		10.12	53.04		74	54	-20.96
١ſ		Н								
	10984	V	43.75		9.46	53.21		74	54	-20.79
	15782	>	43.81		10.13	53.94		74	54	-20.06
		V				-	-			
					11A Channel 56 / 528	0 MHz				
	_	Ant.Pol.	Peak reading	AV reading		Emissio	n Level	Peak Limit	AV Limit	Margin
	Frequency	H/V	(dBuV)	(dBuV)	Correction Factor	Peak (dBuV/m)	AV (dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)
ΙŒ	11250	Η	43.41		9.51	52.92		74	54	-21.08
	15842	Н	42.73		10.51	53.24		74	54	-20.76
		Н								
	11250	V	44.05		9.51	53.56		74	54	-20.44
	15841	V	41.96		10.49	52.45		74	54	-21.55
L		V								
					11AChannel 64 / 532	0 MHz				
П	_	Ant.Pol.	Peak reading	AV reading		Emissio	n Level	Peak Limit	AV Limit	Margin
	Frequency	H/V	(dBuV)	(dBuV)	Correction Factor	Peak (dBuV/m)	AV (dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)
ΙL	11641	Η	44.02		9.63	53.65		74	54	-20.35
	15961	Η	41.73		11.25	52.98		74	54	-21.02
		Н								
L	11642	V	43.95		9.63	53.58		74	54	-20.42
L	15959	V	41.74		11.23	52.97		74	54	-21.03
L		V								



UNII-2C

Table Tabl
Frequency Ant.Pol. Peak reading (dBuV) (dBuV) Correction Factor Peak AV (dBuV/m) (dBuV/m)
H/V (dBuV) (dBuV) (dBuV) Correction Factor Peak (dBuV/m) (dBuV/
15799 H 40.25 10.25 50.50 74 54 -23 H 9.99 53.07 74 54 -20. 15836 V 39.61 10.95 50.56 74 54 -23.
H
10758 V 43.08 9.99 53.07 74 54 -20. 15836 V 39.61 10.95 50.56 74 54 -23.
15836 V 39.61 10.95 50.56 74 54 -23.
15836 V 39.61 10.95 50.56 74 54 -23.
1000 11 0101
V
11A Channel 116 / 5580 MHz
Ant.Pol. Peak reading AV reading AV reading Emission Level Peak Limit AV Limit Mar
Frequency H/V (dBuV) (dBuV) Correction Factor Peak AV (dBuV/m) (dBuV/m) (dBuV/m) (dBuV/m)
10793 H 43.96 10.01 53.97 74 54 -20.
15902 H 39.61 10.79 50.40 74 54 -23.
H
10963 V 43.86 10.05 53.91 74 54 -20.
15991 V 39.19 11.93 51.12 74 54 -22.
V
11AChannel 140 / 5700 MHz
Ant.Pol. Peak reading AV reading Correction Foots Emission Level Peak Limit AV Limit Mar
Frequency H/V (dBuV) (dBuV) Correction Factor Peak AV (dBuV/m) (dBuV/m) (dBuV/m) (dBuV/m)
10789 H 43.82 10 53.82 74 54 -20.
16115 H 39.07 12.04 51.11 74 54 -22.
H
10853 V 43.28 10.12 53.40 74 54 -20.
16014 V 40.12 11.32 51.44 74 54 -22.
V

UNII-3

H/V (dBuV) (dBuV) (dBuV) (dBuV/m) (dBuV/m)	argin (dB) 20.88 20.96 20.48 20.88
11725	20.96 20.48 20.88
H	20.48 20.88
H	20.48 20.88
17735 V 40.17 12.95 53.12 74 54 -2 V V 11A Channel 153 / 5765 MHz Trequency Ant.Pol. Peak reading (dBuV) AV reading (dBuV) Correction Factor Peak (dBuV/m) (dBuV/m) (dBuV/m) (dBuV/m) (dBuV/m) 11831 H 43.59 9.91 53.50 74 54 -2 13.21 53.34 74 54 -2	20.88 argin
17735 V 40.17 12.95 53.12 74 54 -2 V V 11A Channel 153 / 5765 MHz Trequency Ant.Pol. Peak reading (dBuV) AV reading (dBuV) Correction Factor Peak (dBuV/m) (dBuV/m) (dBuV/m) (dBuV/m) (dBuV/m) 11831 H 43.59 9.91 53.50 74 54 -2 13.21 53.34 74 54 -2	20.88 argin
The color of the	argin
Trequency Ant.Pol. Peak reading (dBuV) AV reading (dBuV) Correction Factor Peak AV (dBuV/m) (dBuV/m) (dBu	argin
Frequency Ant.Pol. H/V Peak reading (dBuV) AV reading (dBuV) Correction Factor Emission Level (Peak (dBuV/m)) Peak Limit (dBuV/m) AV Limit (dBuV/m) MS (dBuV/m) 11831 H 43.59 9.91 53.50 74 54 -2 18125 H 40.13 13.21 53.34 74 54 -2	
Frequency	
Prequency	
18125 H 40.13 13.21 53.34 74 54 -2	,
	20.50
H	20.66
	20.06
	20.80
V	
11A Channel 165/ 5825 MHz	
	largin
requency H/V (dBuV) (dBuV) Correction Factor Peak AV (dBuV/m) (dBuV/m) (dBuV/m)	(dB)
11902 H 42.98 10.01 52.99 74 54 -2	21.01
18250 H 38.17 14.01 52.18 74 54 -2	21.82
H	
	20.97
V	21.63



Notes:

- 1). Radiated emissions measured in frequency range from 9 KHz~10th harmonic or 40GHz (which is less) were made with an
- instrument using Peak detector mode.

 2). Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 3). Worst case data at 1Mbps at IEEE 802.11a.
- 4). Measured Level = Reading Level + Factor, Margin = Measured Level Limit



APPENDIXE -BANDWIDTH

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
		5180	19.72	5169.96	5189.68		
		5200	19.72	5190.16	5209.88		
		5240	19.68	5230.08	5249.76		
		5260	20.04	5249.92	5269.96		
		5300	19.68	5290.08	5309.76		
11 1	A m+1	5320	19.76	5310.16	5329.92		
11A	Ant1	5500	19.92	5490.00	5509.92		
		5600	19.80	5590.08	5609.88		
		5700	19.88	5690.00	5709.88		
		5745	19.96	5735.12	5755.08		
		5785	19.72	5775.16	5794.88		
		5825	19.80	5815.16	5834.96		
		5180	20.08	5169.88	5189.96		
		5200	20.12	5190.00	5210.12		
		5240	20.12	5229.92	5250.04		
		5260	20.12	5249.96	5270.08		
		5300	20.16	5289.84	5310.00		
11N20SISO	Ant1	5320	20.04	5309.96	5330.00		
1111203130	AIILI	5500	20.12	5489.88	5510.00		
		5600	20.12	5589.92	5610.04		
		5700	20.04	5690.00	5710.04		
		5745	20.04	5735.00	5755.04		
		5785	20.12	5774.92	5795.04		
		5825	20.28	5814.80	5835.08		
		5190	40.80	5169.28	5210.08		
		5230	40.32	5209.84	5250.16		
		5270	40.88	5249.68	5290.56		
		5310	42.00	5289.44	5331.44		
11N40SISO	Ant1	5510	54.40	5475.76	5530.16		
		5590	41.12	5569.12	5610.24		
		5670	41.12	5649.20	5690.32		
		5755	40.88	5734.60	5775.48		
		5795	40.88	5774.28	5815.16		
		5180	20.12	5169.96	5190.08		
		5200	19.96	5190.00	5209.96		
		5240	20.24	5229.84	5250.08		
		5260	20.44	5249.76	5270.20		
		5300	20.28	5289.84	5310.12		
11AC20SISO	Ant1	5320	20.04	5309.96	5330.00		
11710200100	7 (11)	5500	20.20	5489.84	5510.04		
		5600	20.24	5589.84	5610.08		
		5700	20.04	5690.12	5710.16		
		5745	20.08	5734.96	5755.04		
		5785	20.04	5775.00	5795.04		
		5825	20.24	5814.88	5835.12		
		5190	40.96	5169.44	5210.40		
		5230	40.40	5209.84	5250.24		
		5270	40.48	5249.84	5290.32		
		5310	40.48	5289.68	5330.16		
11AC40SISO	Ant1	5510	40.40	5489.76	5530.16		
		5590	50.72	5559.28	5610.00		
		5670	40.24	5650.00	5690.24		
		5755	40.48	5734.84	5775.32		
		5795	40.32	5774.68	5815.00		
		5210	80.48	5169.36	5249.84		
44400000		5290	79.68	5250.16	5329.84		
11AC80SISO	Ant1	5530	81.12	5489.84	5570.96		
		5610	80.16	5569.84	5650.00		
		5775	80.32	5734.84	5815.16		



