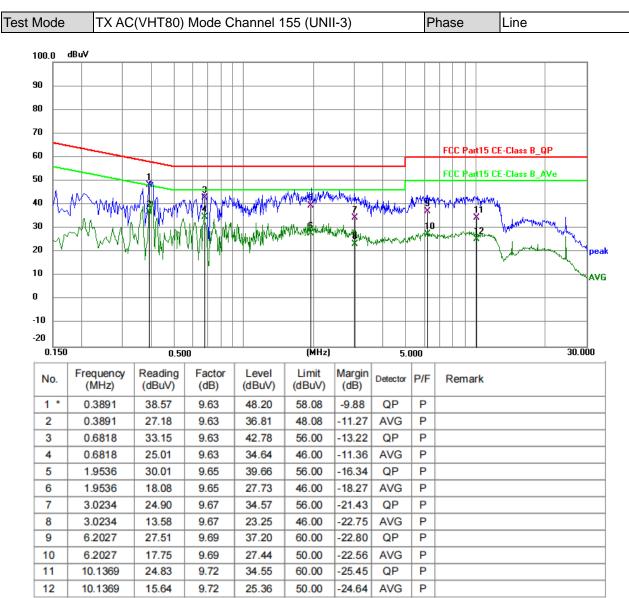


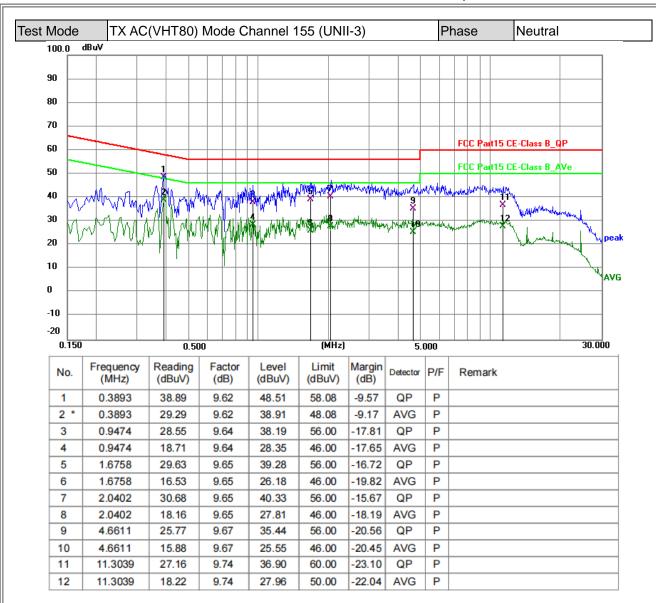


## APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS



- (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.

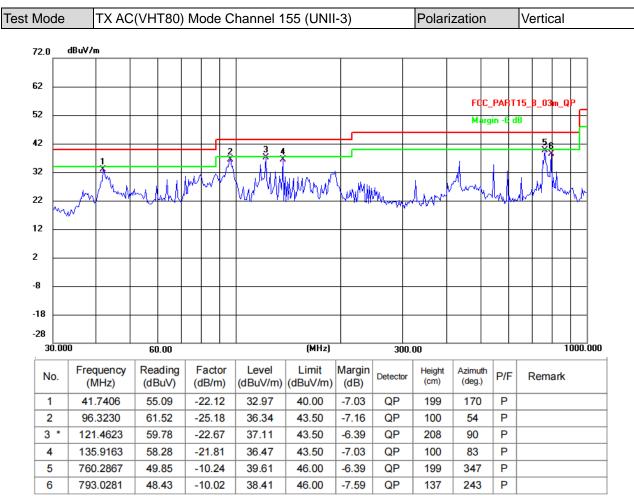


## **APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ**

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.

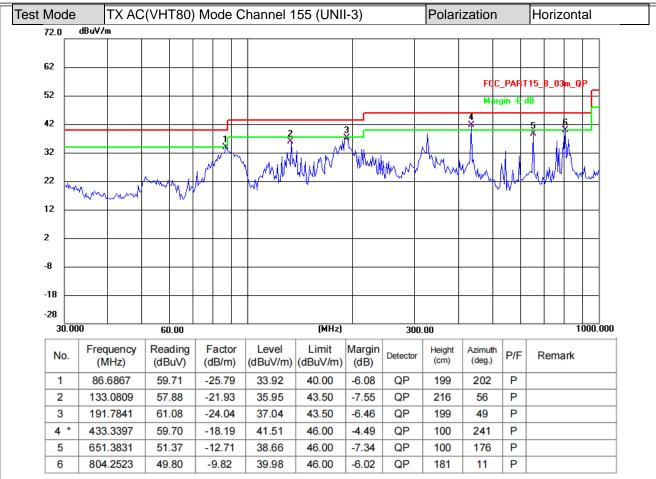


# **APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ**



- (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.

Note: Both antennas have been tested and only the worst data of antenna 1 is shown.

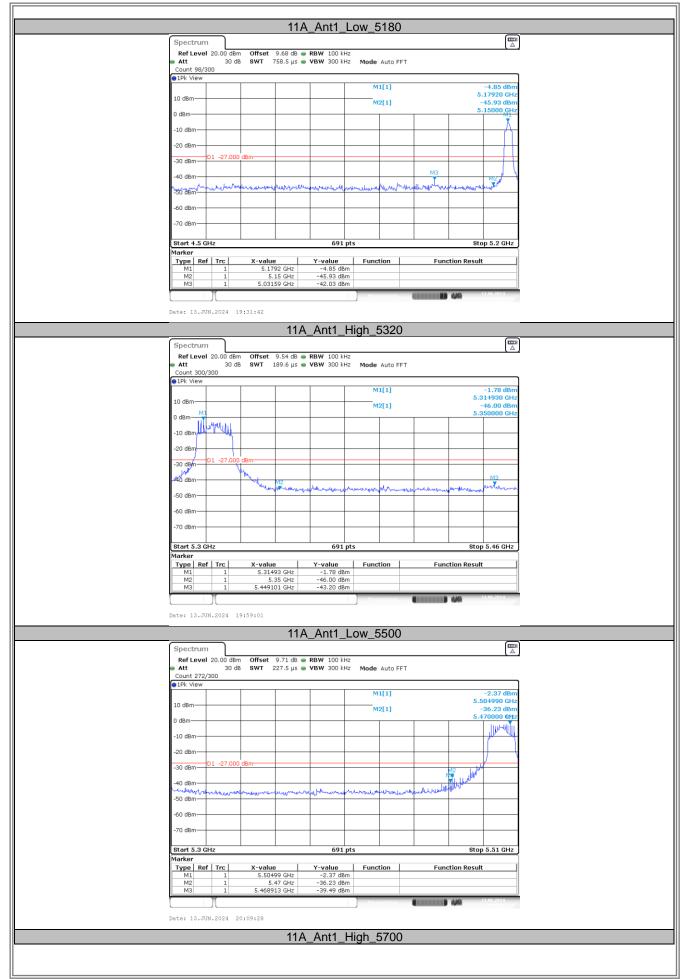
TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
		Low	5180	-42.03	≤-27	PASS
11A	Ant1	High	5320	-43.2	≤-27	PASS
''^	Aliti	Low	5500	-39.49	≤-27	PASS
		High	5700	-33.41	≤-27	PASS
	Ant1	Low	5180	-43.32	≤-27	PASS
11N20	Ant1	High	5320	-39.34	≤-27	PASS
1111120	Ant1	Low	5500	-40.59	≤-27	PASS
	Ant1	High	5700	-38.69	≤-27	PASS
	Ant1	Low	5190	-42.16	≤-27	PASS
11N40	Ant1	High	5310	-37.19	≤-27	PASS
111140	Ant1	Low	5510	-37.62	≤-27	PASS
	Ant1	High	5670	-41.67	≤-27	PASS
	Ant1	Low	5180	-44.15	≤-27	PASS
11AC2	Ant1	High	5320	-38.49	≤-27	PASS
HAGZ	Ant1	Low	5500	-42.93	≤-27	PASS
	Ant1	High	5700	-43.58	≤-27	PASS
	Ant1	Low	5190	-44.28	≤-27	PASS
11AC40	Ant1	High	5310	-43.18	≤-27	PASS
11AC40	Ant1	Low	5510	-38.57	≤-27	PASS
	Ant1	High	5670	-43.35	≤-27	PASS
	Ant1	Low	5210	-43.97	≤-27	PASS
11AC80	Ant1	High	5290	-41.5	≤-27	PASS
TIACOU	Ant1	Low	5530	-40.48	≤-27	PASS
	Ant1	High	5610	-43.99	≤-27	PASS
	Ant1	Low	5180	-44.32	≤-27	PASS
11AX20	Ant1	High	5320	-37.91	≤-27	PASS
TIAAZU	Ant1	Low	5500	-37.01	≤-27	PASS
	Ant1	High	5700	-37.94	≤-27	PASS
	Ant1	Low	5190	-43.8	≤-27	PASS
11 1 1 1 1	Ant1	High	5310	-43.37	≤-27	PASS
11AX40	Ant1	Low	5510	-42.06	≤-27	PASS
	Ant1	High	5670	-42.86	≤-27	PASS
	Ant1	Low	5210	-44.14	≤-27	PASS
11 1 200	Ant1	High	5290	-29.56	≤-27	PASS
11AX80	Ant1	Low	5530	-36.89	≤-27	PASS
	Ant1	High	5610	-42.51	≤-27	PASS

TestMod e	Antenna	ChName	Freq(MHz)	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict	
				5650~5700	-38.9	≤8.15	PASS	
		Low	5745	5700~5720	-28.28	≤15.27	PASS	
		LOW	3743	5720~5725	-23.41	≤21.30	PASS	
11A	Ant1			5760~5650	-44.77	≤-27	PASS	
IIA	Anti			5850~5855	-34.62	≤21.15		
		Lliah	5825	5855~5875	-40.42	≤10.32	PASS PASS	
		High	5625	5875~5925	-43.58	≤-19.08	PASS	
				5925~5935	-44.52	≤-27	PASS	
	Ant1	Low	5745	5650~5700	-43.78	≤7.78	PASS	
				5700~5720	-38.6	≤14.20	PASS	
				5720~5725	-37.32	≤22.06	PASS	
				5760~5650	-44.57	≤-27	PASS	
11N20				5850~5855	-41.2	≤18.92	PASS	
				5855~5875	-42.53	≤10.87	PASS	
	Ant1	High	5825	5875~5925	-43.51	≤-18.51	PASS	
				5925~5935	-45.13	≤-27	PASS	
				5925~5935	-44.5	≤-27	PASS	
11N40	Ant1	Low	5755	5650~5700	-40.83	≤8.10	PASS	
111140	AIILI	LOW	3733	5700~5720	-34.07	≤15.25	PASS	

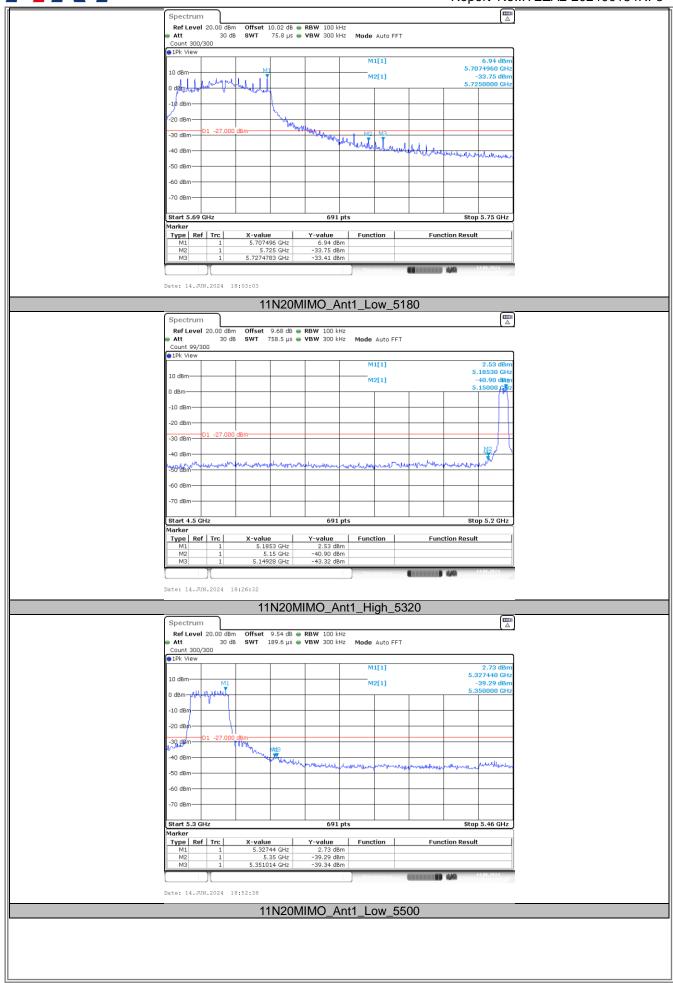


				5720~5725	-34.4	≤23.93	PASS
				5780~5650	-43.78	≤-27	PASS
				5850~5855	-43.2	≤24.57	PASS
	A 14	l limb		5855~5875	-43.09	≤14.86	PASS
	Ant1	High	5795	5875~5925	-43.62	≤-17.81	PASS
				5925~5935	-45.26	≤-27	PASS
				5650~5700	-43.03	≤7.90	PASS
		_		5700~5720	-44.4	≤13.36	PASS
	Ant1	Low	5745	5720~5725	-45.46	≤24.72	PASS
				5760~5650	-44.77	≤-27	PASS
11AC20				5850~5855	-44.23	≤22.49	PASS
				5855~5875	-44.6	≤11.58	PASS
	Ant1	High	5825	5875~5925	-43.07	≤-22.99	PASS
				5925~5935	-44.9	≤-27	PASS
				5650~5700	-43.74	≤-13.18	PASS
	Ant1			5700~5720	-39.13	≤15.25	PASS
		Low	5755	5720~5725	-39.5	≤23.93	PASS
				5780~5650	-44.73	≤-27	PASS
11AC40				5850~5855	-44.58	≤24.03	PASS
				5855~5875	-44.21	≤15.26	PASS
	Ant1	High	5795	5875~5925	-44.17	≤-18.17	PASS
					-44.17 -45.18	≤-16.17 ≤-27	PASS
				5925~5935		≤-2 <i>1</i> ≤0.05	PASS
		Low Ant1 High	5775 5775	5650~5700	-44.56		
				5700~5720	-44.73	≤12.09	PASS
				5720~5725	-44.58	≤21.81	PASS
11AC80	Ant1			5800~5650	-45.03	≤-27	PASS
				5850~5855	-44.79	≤24.18	PASS
				5855~5875	-43.86	≤13.78	PASS
				5875~5925	-43.25	≤-11.96	PASS
				5925~5935	-45.37	≤-27	PASS
	Ant1	Low	5745	5650~5700	-41.04	≤10.00	PASS
				5700~5720	-35.53	≤14.71	PASS
				5720~5725	-33.4	≤25.48	PASS
11AX20				5760~5650	-44.49	≤-27	PASS
1170120	Ant1	High	5825	5850~5855	-41.73	≤22.04	PASS
				5855~5875	-43.24	≤10.60	PASS
				5875~5925	-43.9	≤-15.75	PASS
				5925~5935	-45.04	≤-27	PASS
				5650~5700	-43.98	≤-15.79	PASS
	Ant1	Low	5755	5700~5720	-44.25	≤10.16	PASS
	AIILI	LOW	3733	5720~5725	-44.8	≤26.16	PASS
11AX40				5780~5650	-45.28	≤-27	PASS
114740				5850~5855	-44.69	≤26.75	PASS
	Ant1	High	5795	5855~5875	-44.42	≤15.59	PASS
	Anti	піgri	5795	5875~5925	-43.79	≤0.77	PASS
l		<u>                                       </u>		5925~5935	-45.07	≤-27	PASS
				5650~5700	-42.28	≤4.38	PASS
		l a	E77E	5700~5720	-40.18	≤15.17	PASS
		Low	5775	5720~5725	-40.98	≤24.37	PASS
44.43/00	A 14			5800~5650	-44.73	≤-27	PASS
11AX80	Ant1			5850~5855	-40.1	≤22.95	PASS
		,		5855~5875	-40.22	≤13.11	PASS
		High	5775	5875~5925	-43.08	≤-25.06	PASS

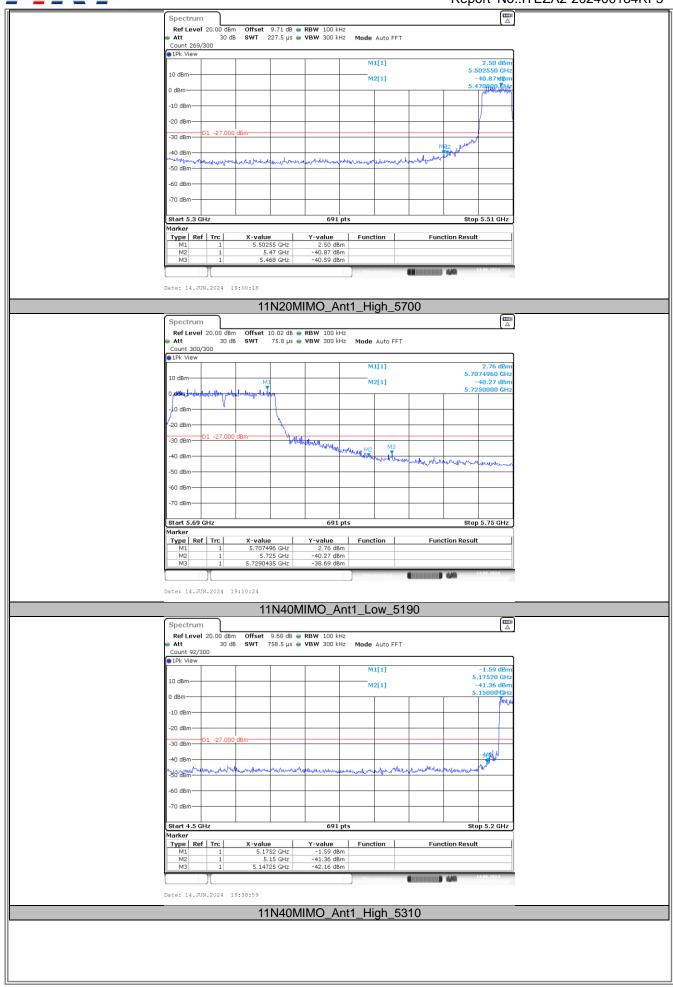




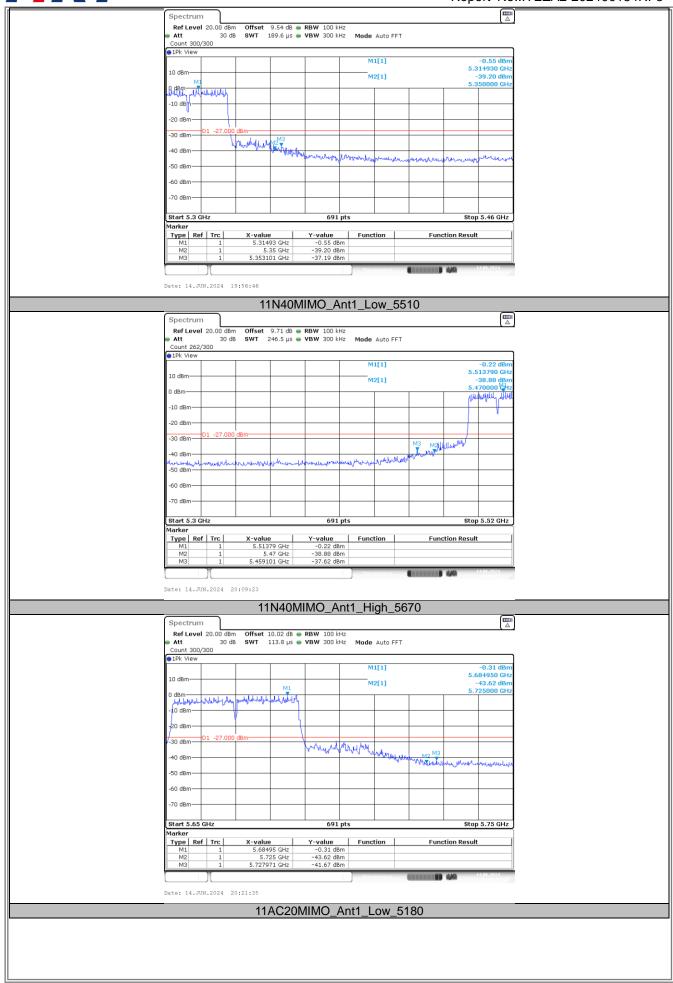




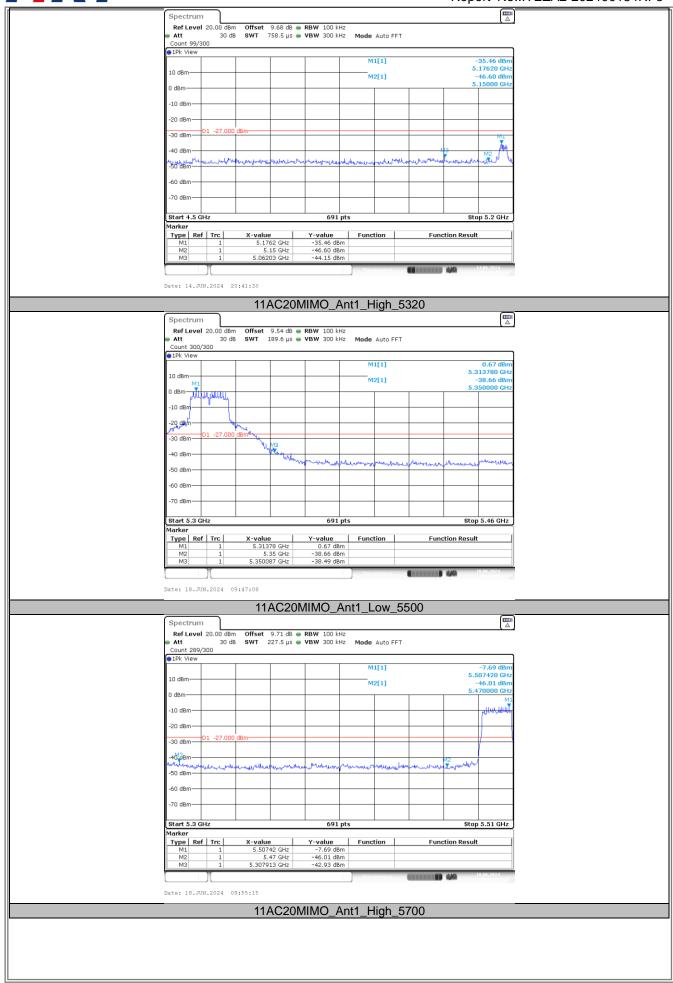




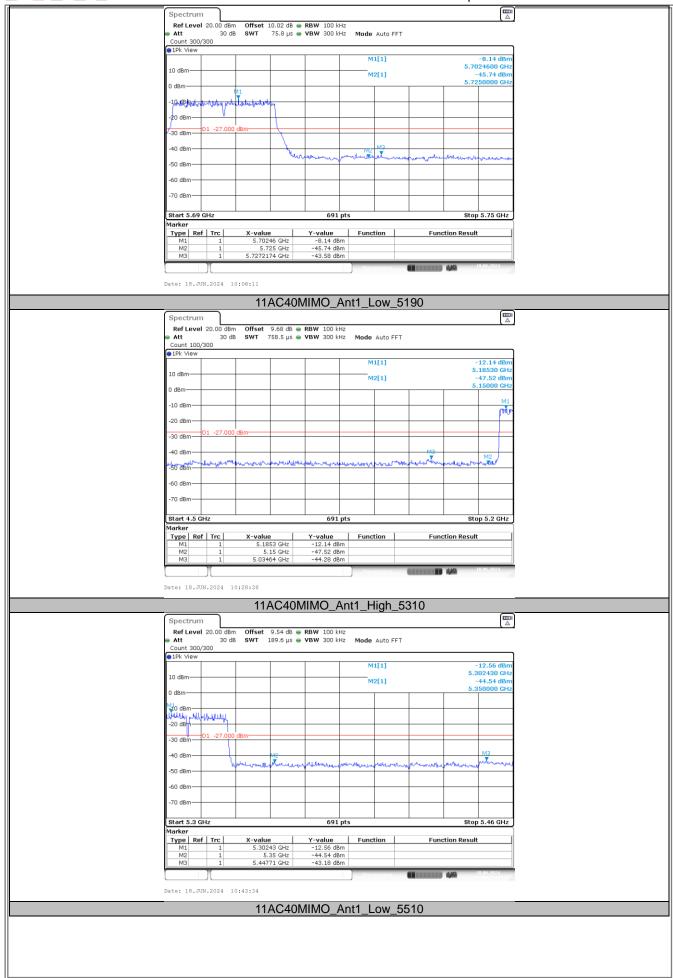




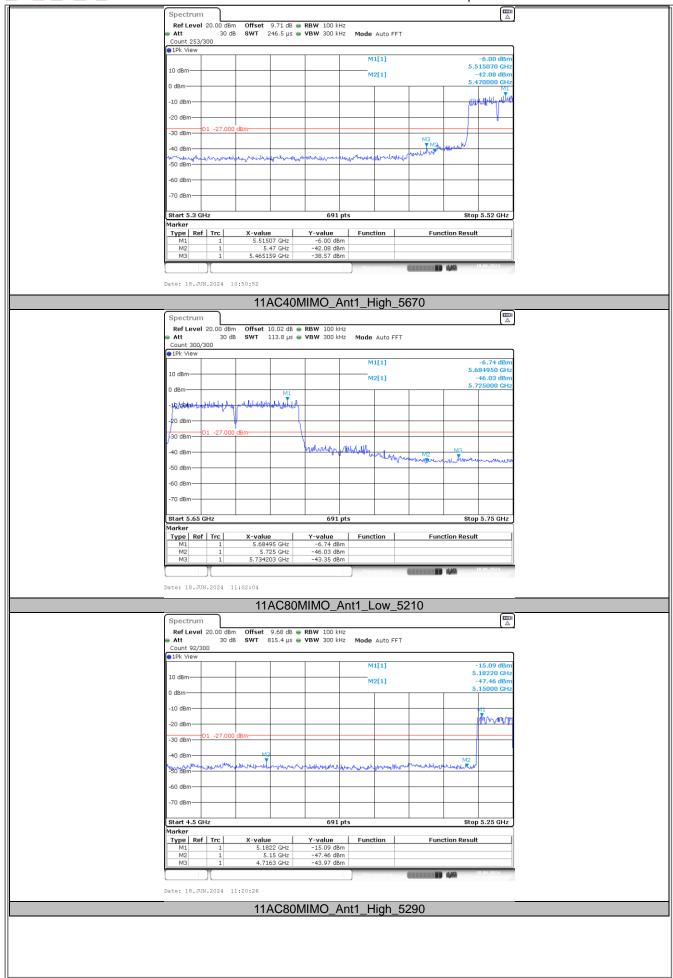




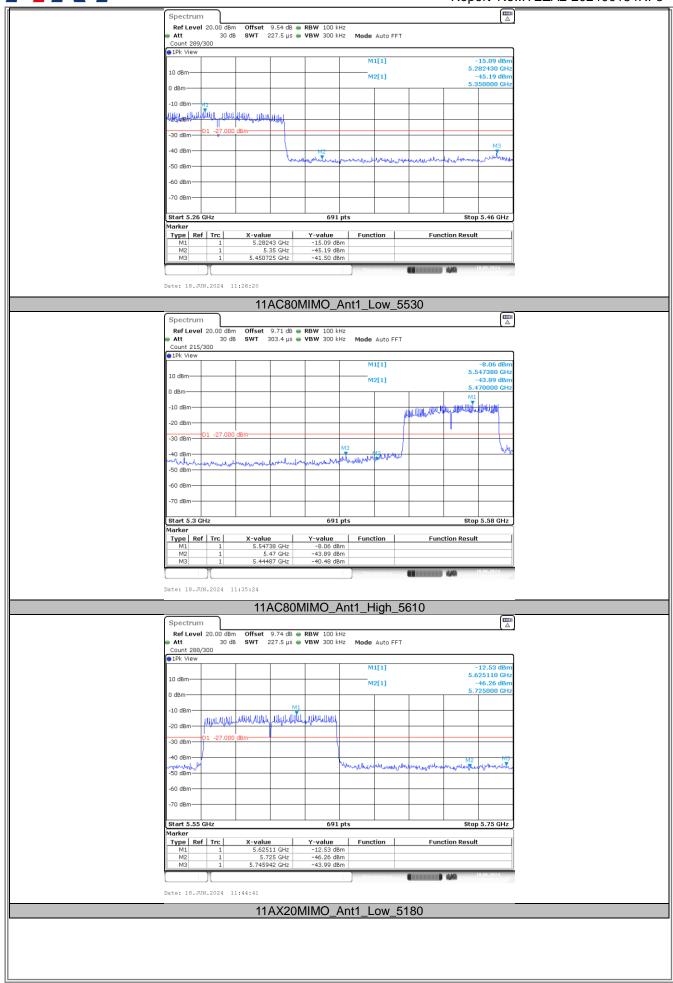




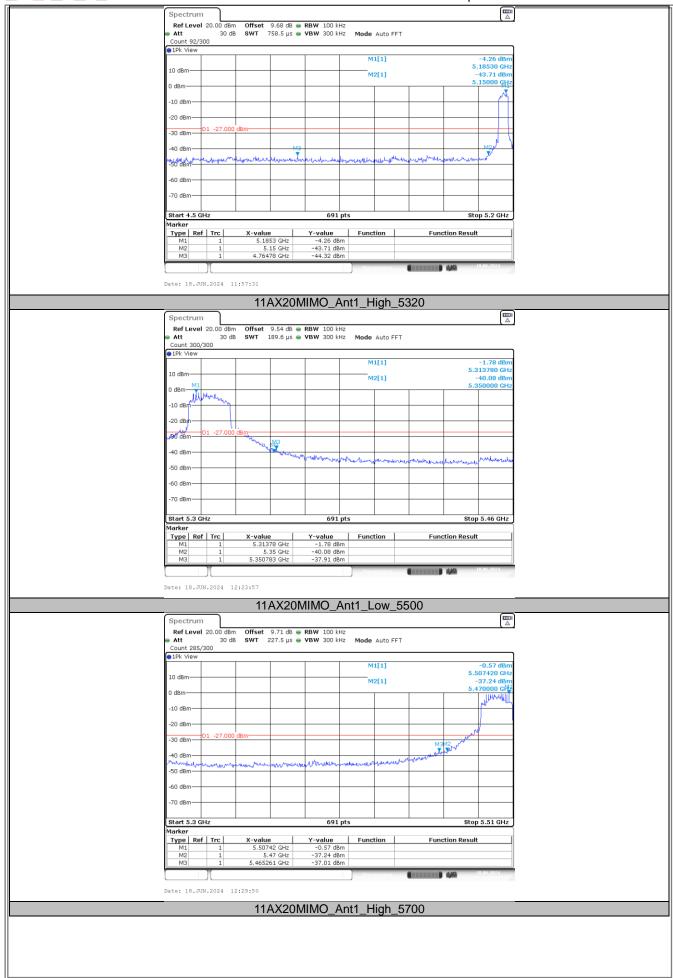




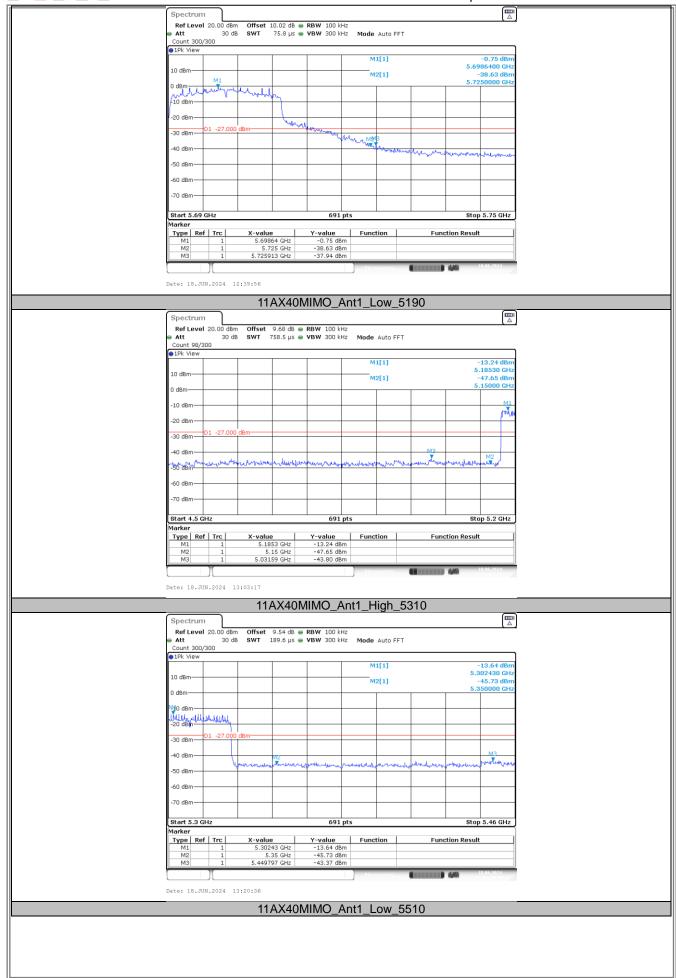




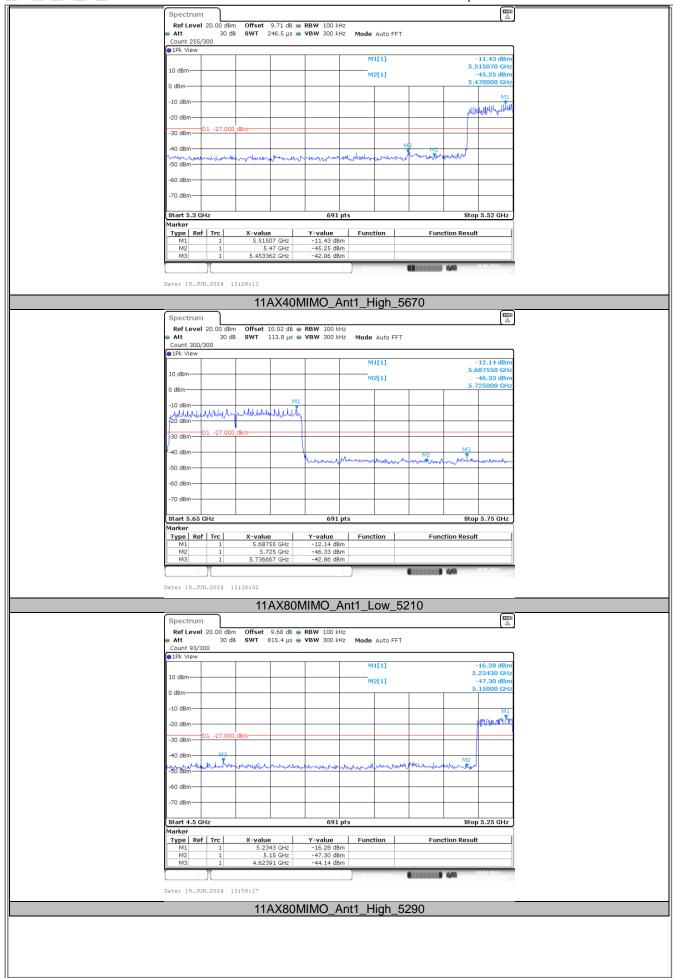




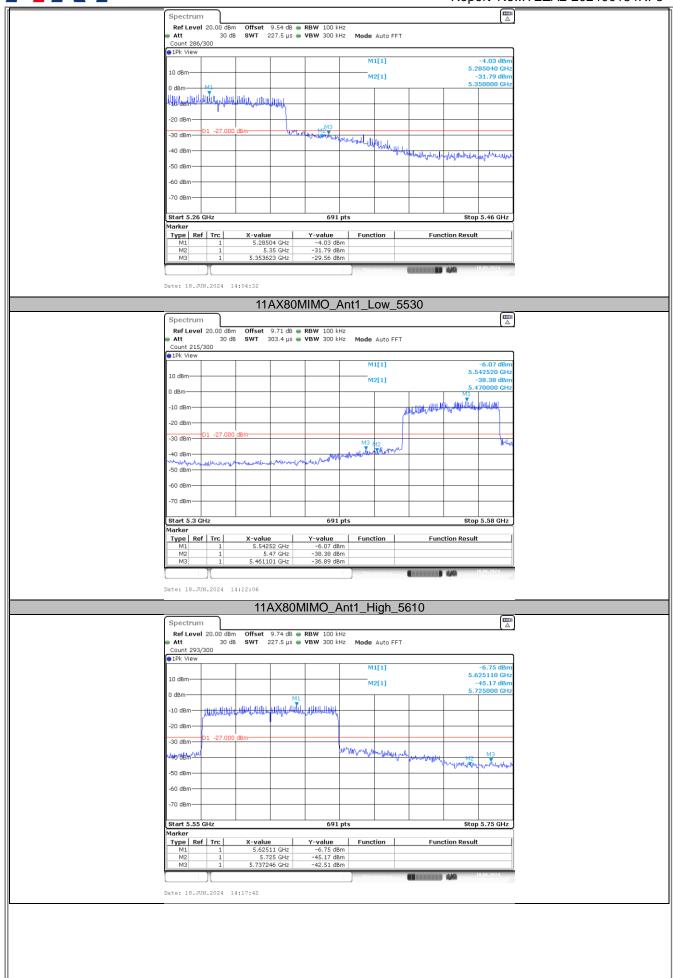




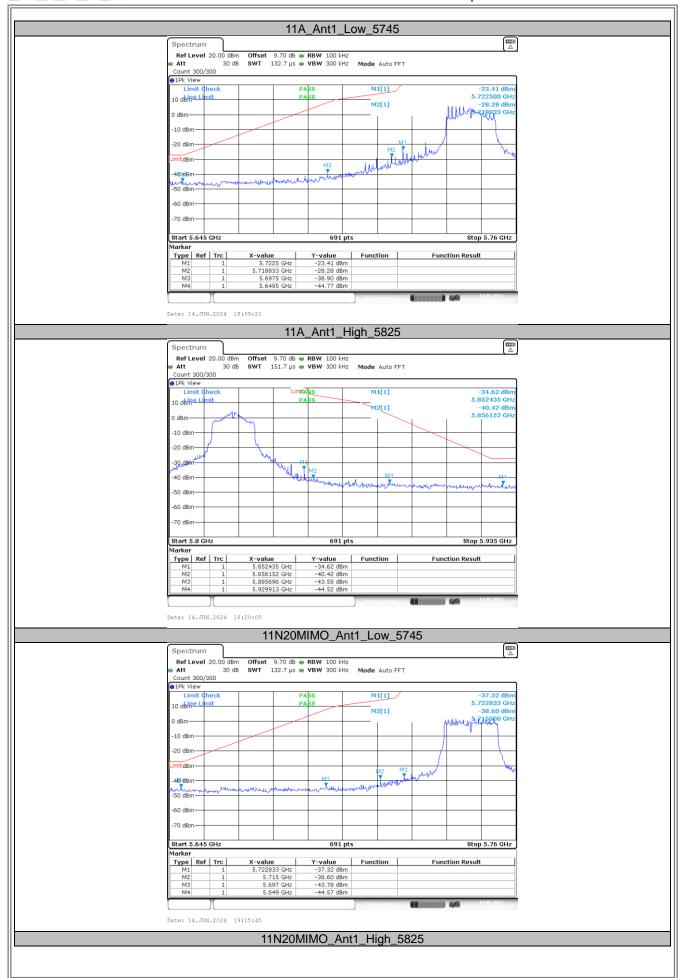




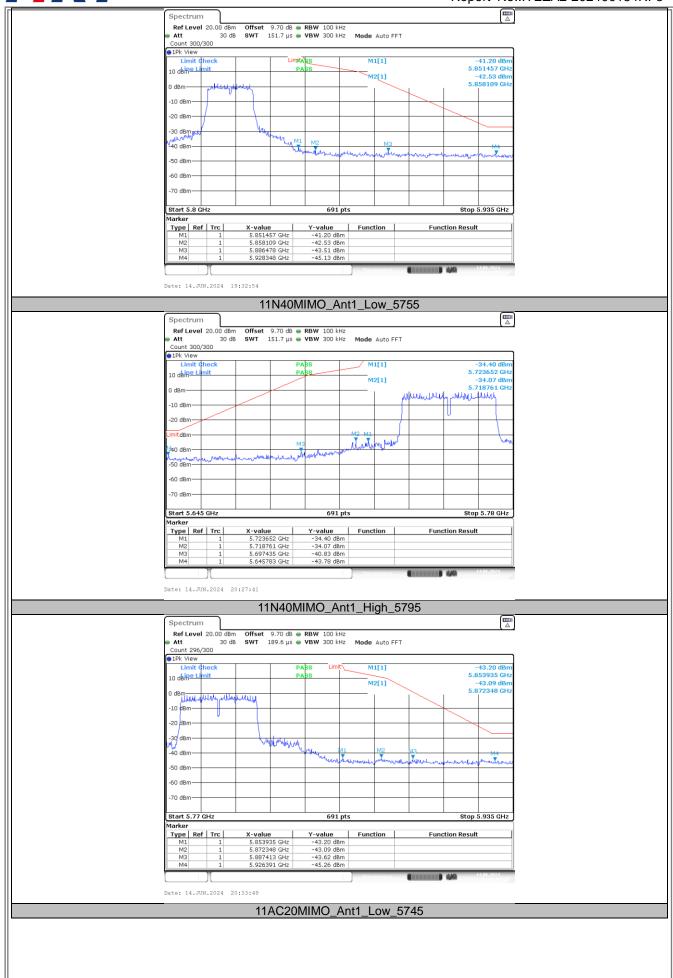




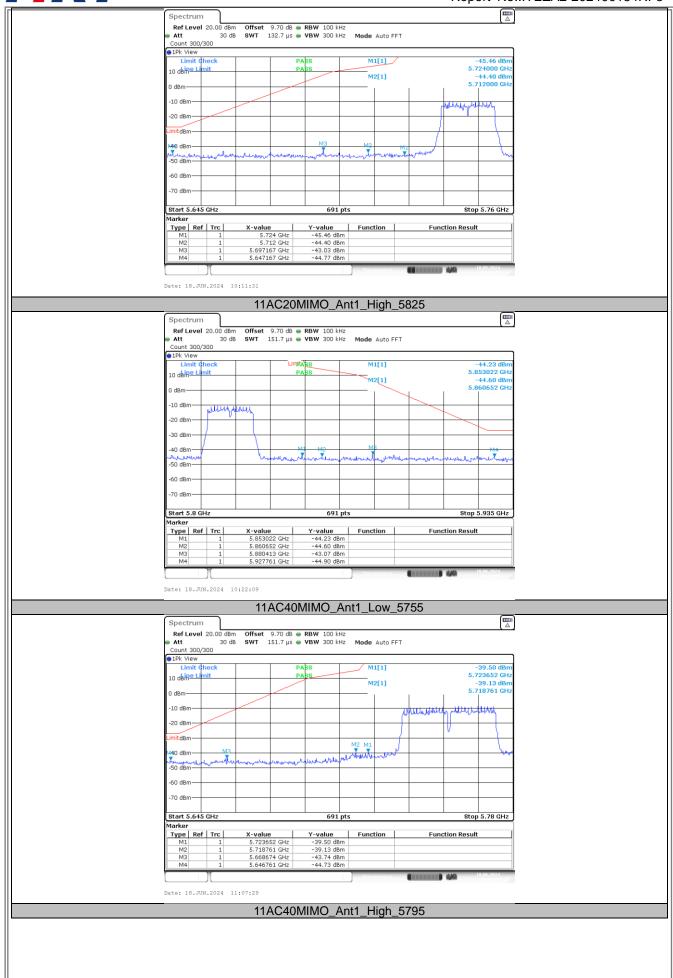




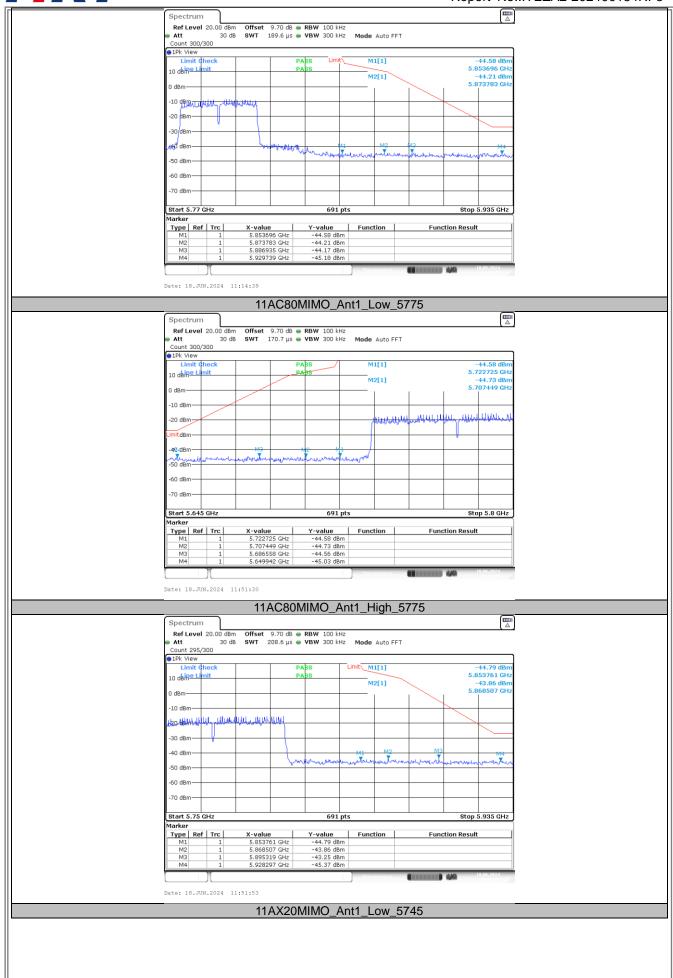




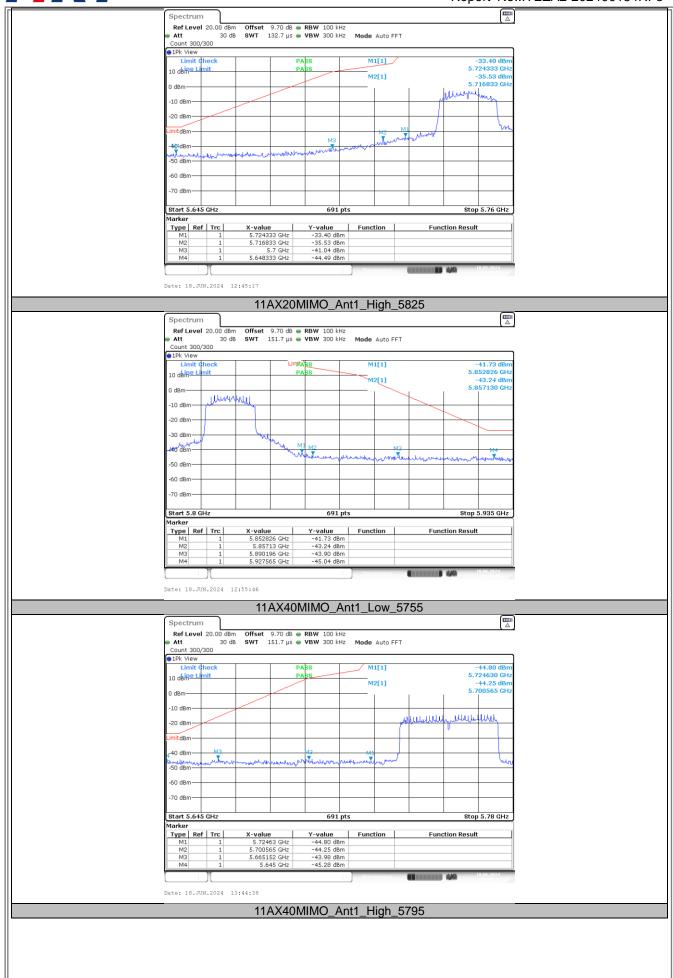




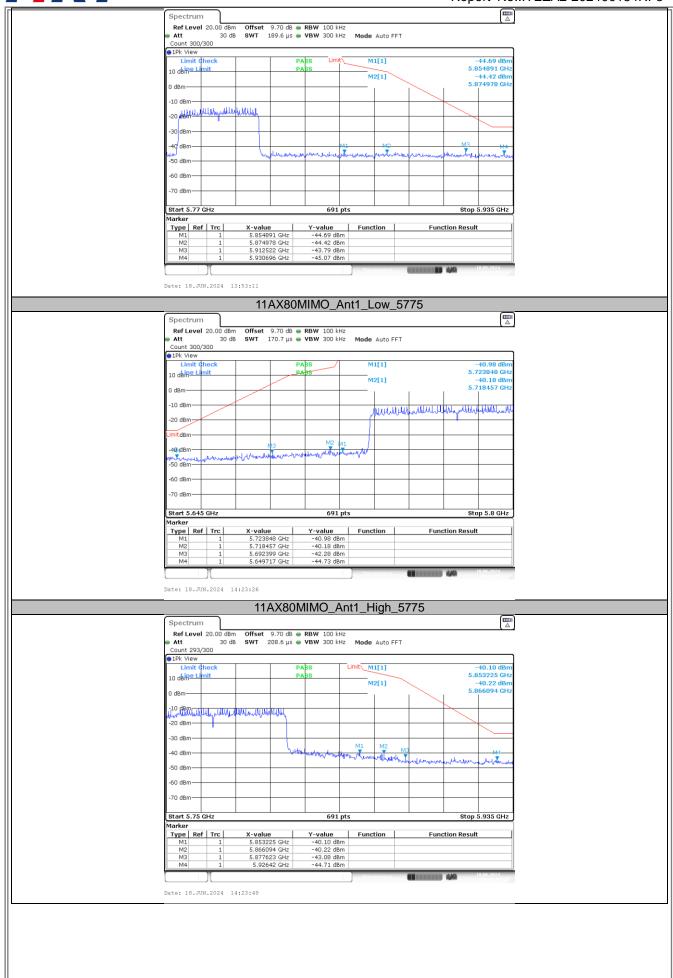














#### ABOVE 1000 MHz

Note: All the modes have been tested and recorded worst mode in the report. Both antennas have been tested and only the worst data of antenna 1 is shown. UNII-1

				UNII-1 11A Channel 36 / 518	0 MHz					
Frequency	Ant.Pol.	Peak reading	AV reading	Correction Factor	Emissio		Peak Limit	AV Limit	Margin	
rrequericy	H/V	(dBuV)	(dBuV)	Correction ractor	Peak (dBuV/m)	AV (dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
10674	Н	44.01		9.03	53.04		74	54	-20.96	
15556	Н	42.31		9.87	52.18		74	54	-21.82	
	Н									
10651	V	43.87		9.03	52.90		74	54	-21.10	
15542	V	40.12		9.88	50.00		74	54	-24.00	
	V									
	11A Channel 40 / 5200 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)	
10758	Н	43.86		9.09	52.95		74	54	-21.05	
15324	Н	42.51		9.91	52.42		74	54	-21.58	
	Н									
10676	V	43.75		9.09	52.84		74	54	-21.16	
15645	V	42.02		9.91	51.93		74	54	-22.07	
	V									
				11AChannel 48 / 524	0 MHz					
_	Ant.Pol.	Peak reading	AV reading		Emission Level		Peak Limit	AV Limit	Margin	
Frequency	H/V	(dBuV)	(dBuV)	Correction Factor	Peak (dBuV/m)	AV (dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
10358	Н	44.02		9.24	53.26		74	54	-20.74	
15635	Н	43.95		10.01	53.96		74	54	-20.04	
	Н									
10631	V	44.63		9.24	53.87		74	54	-20.13	
15569	V	42.93		10.01	52.94		74	54	-21.06	
	V									

#### UNII-2A

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)	
10896	Н	44.05		9.44	53.49		74	54	-20.51	
15247	Н	43.05		10.12	53.17		74	54	-20.83	
	Н									
10456	V	43.95		9.46	53.41		74	54	-20.59	
15321	V	42.58		10.13	52.71		74	54	-21.29	
	V									
				11A Channel 56 / 528	0 MHz					
_	Ant.Pol.	Peak reading	AV reading	Correction Factor	Emissio	Emission Level		AV Limit	Margin	
Frequency	H/V	(dBuV)	(dBuV)		Peak (dBuV/m)	AV (dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
11478	Н	43.76		9.51	53.27		74	54	-20.73	
15365	Н	42.05		10.51	52.56		74	54	-21.44	
	Н									
11478	V	43.07		9.51	52.58		74	54	-21.42	
15023	V	42.31		10.49	52.80		74	54	-21.20	
	V									
				11AChannel 64 / 532	0 MHz					
_	Ant.Pol.	Peak reading	AV reading		Emission Level		Peak Limit	AV Limit	Margin	
Frequency	H/V	(dBuV)	(dBuV)	Correction Factor	Peak (dBuV/m)	AV (dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
11756	Н	44.31		9.63	53.94		74	54	-20.06	
15024	Н	42.08		11.25	53.33		74	54	-20.67	
	Н									
11731	V	43.96		9.63	53.59		74	54	-20.41	
15831	V	41.09		11.23	52.32		74	54	-21.68	
	V									



### UNII-2C

11A Channel 100 / 5500 MHz										
Frequency	Ant.Pol.	Peak reading	AV reading	Correction Factor	Emissic Peak	on Level	Peak Limit	AV Limit	Margin	
. ,	H/V	(dBuV)	(dBuV)		(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
10358	Н	43.22		9.15	52.37		74	54	-21.63	
15458	Н	42.31		10.25	52.56		74	54	-21.44	
	Н									
10698	V	43.05		9.99	53.04		74	54	-20.96	
15125	V	42.08		10.95	53.03		74	54	-20.97	
	V									
	1		1	11A Channel 116 / 558	30 MHz					
_	Ant.Pol. Peak reading		AV reading		Emissio	on Level	Peak Limit	AV Limit	Margin	
Frequency	H/V	(dBuV)	(dBuV)	Correction Factor	Peak (dBuV/m)	AV (dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
10835	Н	43.17		10.01	53.18		74	54	-20.82	
15458	Н	41.93		10.79	52.72		74	54	-21.28	
	Н									
		T								
10631	V	43.05		10.05	53.10		74	54	-20.90	
15059	V	40.27		11.93	52.20		74	54	-21.80	
	V			 11AChannel 140 / 570						
	ı	Ι		11AChannel 140 / 5/(			l			
F	Ant.Pol.	Peak reading	AV reading	Composion Footon		Emission Level		AV Limit	Margin	
Frequency	H/V	(dBuV)	(dBuV)	Correction Factor	Peak (dBuV/m)	AV (dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
10789	Н	42.98		10.00	52.98		74	54	-21.02	
16999	Н	39.94		12.04	51.98		74	54	-22.02	
	Н									
		T	Ī		T	Ī	-			
10853	V	42.05		10.12	52.17		74	54	-21.83	
16014	V	40.71		11.32	52.03		74	54	-21.97	
	V									

### UNII-3

	11A Channel 149 / 5745 MHz										
_	Ant.Pol.	Peak reading	AV reading		Emissio	on Level	Peak Limit	AV Limit	Margin		
Frequency	H/V	(dBuV)	(dBuV)	Correction Factor	Peak (dBuV/m)	AV (dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)		
11751	Н	43.27		9.81	53.08		74	54	-20.92		
17304	Н	40.79		12.96	53.75		74	54	-20.25		
	Н										
11328	V	44.07		9.81	53.88		74	54	-20.12		
17631	V	41.05		12.95	54.00		74	54	-20.00		
	V										
	1	ı	1	11A Channel 153 / 576	55 MHz						
	Ant.Pol.	Peak reading	AV reading		Emissio	on Level	Peak Limit	AV Limit	Margin		
Frequency	H/V	(dBuV)	(dBuV)	Correction Factor	Peak (dBuV/m)	AV (dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)		
11853	Н	42.88		9.91	52.79		74	54	-21.21		
18324	Н	40.76		13.21	53.97		74	54	-20.03		
	Н										
11753	V	43.65		9.92	53.57		74	54	-20.43		
18658	V	40.36		13.22	53.58		74	54	-20.42		
	V										
	1			11A Channel 165/ 582	5 MHz						
_	Ant.Pol.	Pol. Peak reading	AV reading		Emission Level		Peak Limit	AV Limit	Margin		
Frequency	H/V	(dBuV)	(dBuV)	Correction Factor	Peak (dBuV/m)	AV (dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)		
11403	Н	42.95		10.01	52.96		74	54	-21.04		
18125	Н	39.98		14.01	53.99		74	54	-20.01		
	Н										
11863	V	43.27		9.98	53.25		74	54	-20.75		
18725	V	39.67		13.99	53.66		74	54	-20.34		
	V										