4: Duty Cycle

4.1 Test Result

Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factory	1/T [kHz]
11A	Ant1	5180	1.39	1.80	77.22	1.12	0.72
11A	Ant1	5260	1.40	1.81	77.35	1.12	0.71
11A	Ant1	5500	1.39	1.81	76.80	1.15	0.72
11A	Ant1	5745	1.39	1.81	76.80	1.15	0.72
11N20MIMO	Ant1	5180	0.61	1.02	59.80	2.23	1.64
11N20MIMO	Ant2	5180	0.61	1.02	59.80	2.23	1.64
11N20MIMO	Ant1	5260	0.61	1.02	59.80	2.23	1.64
11N20MIMO	Ant2	5260	0.61	1.02	59.80	2.23	1.64
11N20MIMO	Ant1	5500	0.61	1.02	59.80	2.23	1.64
11N20MIMO	Ant2	5500	0.61	1.02	59.80	2.23	1.64
11N20MIMO	Ant1	5745	0.60	1.02	58.82	2.30	1.67
11N20MIMO	Ant2	5745	0.61	1.02	59.80	2.23	1.64
11N40MIMO	Ant1	5190	0.32	0.76	42.11	3.76	3.13
11N40MIMO	Ant2	5190	0.31	0.72	43.06	3.66	3.23
11N40MIMO	Ant1	5270	0.31	0.73	42.47	3.72	3.23
11N40MIMO	Ant2	5270	0.31	0.72	43.06	3.66	3.23
11N40MIMO	Ant1	5510	0.31	0.72	43.06	3.66	3.23
11N40MIMO	Ant2	5510	0.31	0.72	43.06	3.66	3.23
11N40MIMO	Ant1	5755	0.31	0.73	42.47	3.72	3.23
11N40MIMO	Ant2	5755	0.31	0.72	43.06	3.66	3.23
11AC20MIMO	Ant1	5180	0.25	0.27	92.59	0.33	4.00
11AC20MIMO	Ant2	5180	0.26	0.27	96.30	0.16	3.85
11AC20MIMO	Ant1	5260	2.57	2.59	99.23	0.03	0.39
11AC20MIMO	Ant2	5260	2.57	2.58	99.61	0.02	0.39
11AC20MIMO	Ant1	5500	0.26	0.27	96.30	0.16	3.85
11AC20MIMO	Ant2	5500	0.25	0.27	92.59	0.33	4.00
11AC20MIMO	Ant1	5745	0.26	0.28	92.86	0.32	3.85
11AC20MIMO	Ant2	5745	0.25	0.27	92.59	0.33	4.00
11AC40MIMO	Ant1	5190	0.13	0.15	86.67	0.62	7.69
11AC40MIMO	Ant2	5190	0.13	0.15	86.67	0.62	7.69
11AC40MIMO	Ant1	5270	1.26	1.28	98.44	0.07	0.79
11AC40MIMO	Ant2	5270	1.26	1.28	98.44	0.07	0.79
11AC40MIMO	Ant1	5510	0.14	0.15	93.33	0.30	7.14
11AC40MIMO	Ant2	5510	0.13	0.15	86.67	0.62	7.69
11AC40MIMO	Ant1	5755	1.26	1.28	98.44	0.07	0.79
11AC40MIMO	Ant2	5755	1.26	1.27	99.21	0.03	0.79
11AC80MIMO	Ant1	5210	0.61	0.62	98.39	0.07	1.64
11AC80MIMO	Ant2	5210	0.61	0.62	98.39	0.07	1.64
11AC80MIMO	Ant1	5290	0.60	0.62	96.77	0.14	1.67
11AC80MIMO	Ant2	5290	0.60	0.62	96.77	0.14	1.67

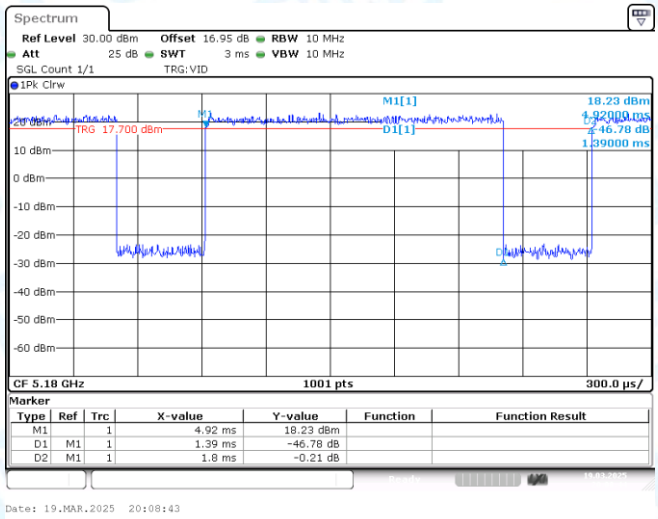
11AC80MIMO	Ant1	5530	0.60	0.62	96.77	0.14	1.67
11AC80MIMO	Ant2	5530	0.61	0.62	98.39	0.07	1.64
11AC80MIMO	Ant1	5775	0.61	0.63	96.83	0.14	1.64
11AC80MIMO	Ant2	5775	0.61	0.62	98.39	0.07	1.64
11AX20MIMO	Ant1	5180	4.58	4.98	91.97	0.36	0.22
11AX20MIMO	Ant2	5180	4.57	5.03	90.85	0.42	0.22
11AX20MIMO	Ant1	5260	4.56	4.98	91.57	0.38	0.22
11AX20MIMO	Ant2	5260	4.57	4.98	91.77	0.37	0.22
11AX20MIMO	Ant1	5500	4.56	4.98	91.57	0.38	0.22
11AX20MIMO	Ant2	5500	4.58	4.99	91.78	0.37	0.22
11AX20MIMO	Ant1	5745	0.35	0.77	45.45	3.42	2.86
11AX20MIMO	Ant2	5745	0.35	0.77	45.45	3.42	2.86
11AX40MIMO	Ant1	5190	1.27	1.28	99.22	0.03	0.79
11AX40MIMO	Ant2	5190	1.26	1.27	99.21	0.03	0.79
11AX40MIMO	Ant1	5270	1.27	1.28	99.22	0.03	0.79
11AX40MIMO	Ant2	5270	1.26	1.27	99.21	0.03	0.79
11AX40MIMO	Ant1	5510	1.26	1.27	99.21	0.03	0.79
11AX40MIMO	Ant2	5510	1.26	1.28	98.44	0.07	0.79
11AX40MIMO	Ant1	5755	2.32	2.76	84.06	0.75	0.43
11AX40MIMO	Ant2	5755	2.32	2.74	84.67	0.72	0.43
11AX80MIMO	Ant1	5210	0.60	0.62	96.77	0.14	1.67
11AX80MIMO	Ant2	5210	0.61	0.63	96.83	0.14	1.64
11AX80MIMO	Ant1	5290	0.61	0.62	98.39	0.07	1.64
11AX80MIMO	Ant2	5290	0.61	0.63	96.83	0.14	1.64
11AX80MIMO	Ant1	5530	0.61	0.63	96.83	0.14	1.64
11AX80MIMO	Ant2	5530	0.61	0.62	98.39	0.07	1.64
11AX80MIMO	Ant1	5775	1.14	1.56	73.08	1.36	0.88
11AX80MIMO	Ant2	5775	1.14	1.55	73.55	1.33	0.88

Note: 1, Duty Cycle= Transmission Duration/ Transmission Period

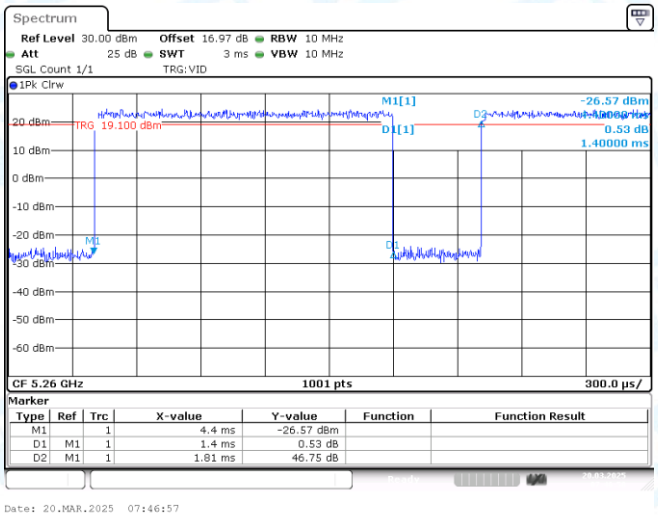
2, DC Factory=$10*\mathrm{Log}_{10}(1/\text{Duty Cycle})$

3, 1/T=1/ Transmission Duration

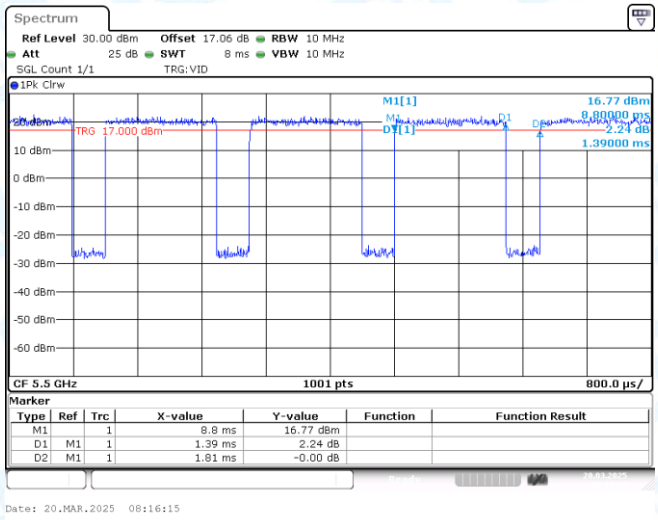
4.2 Test Graphs



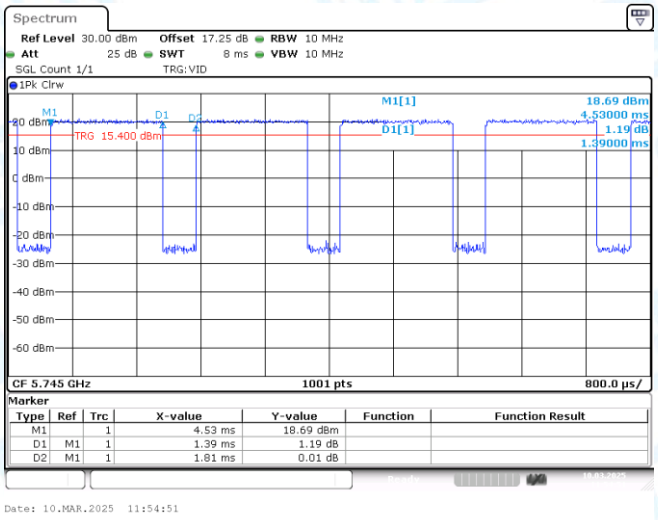
NTNV-11A-Ant1-5180



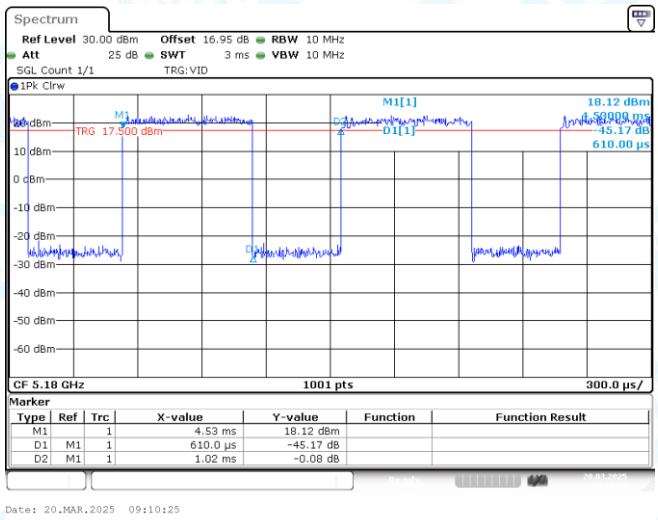
NTNV-11A-Ant1-5260



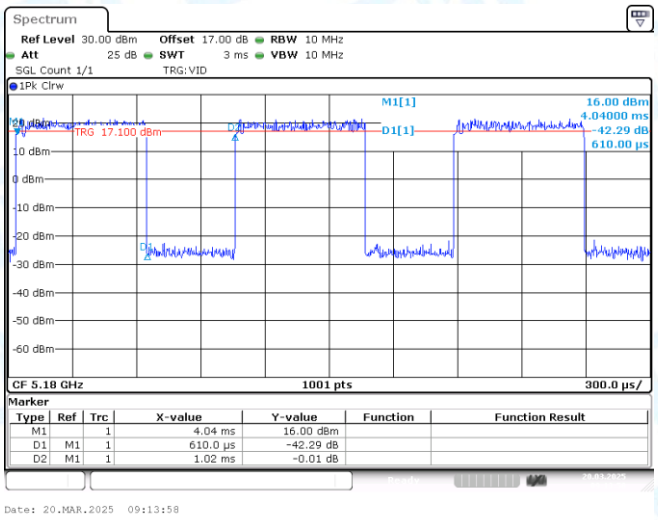
NTNV-11A-Ant1-5500



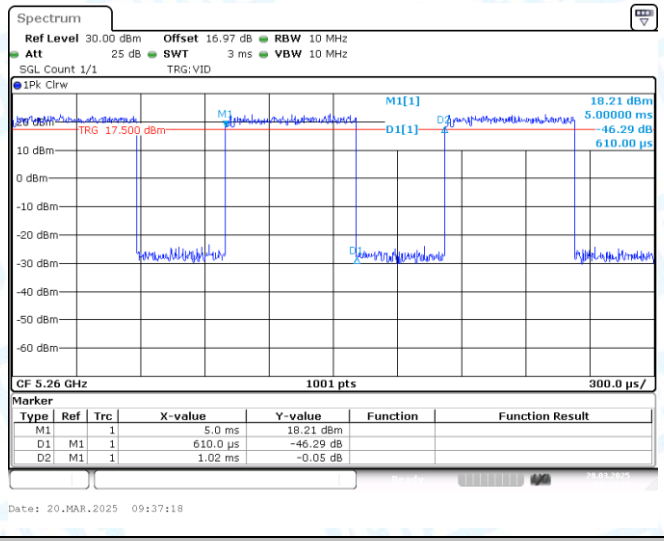
NTNV-11A-Ant1-5745



NTNV-11N20MIMO-Ant1-5180



NTNV-11N20MIMO-Ant2-5180



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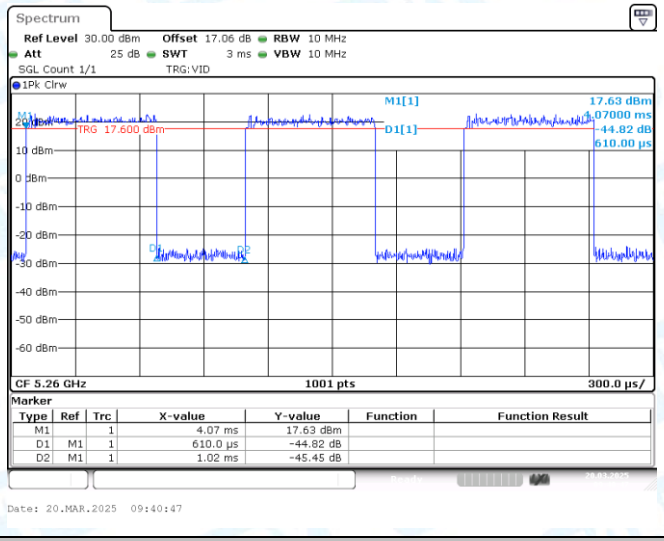

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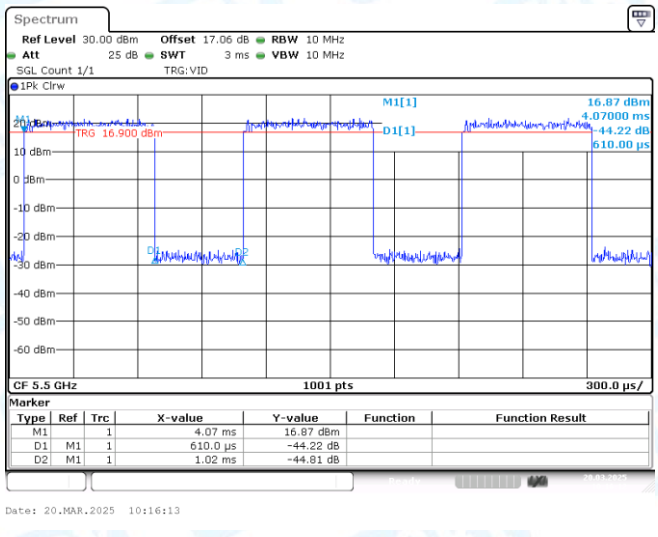

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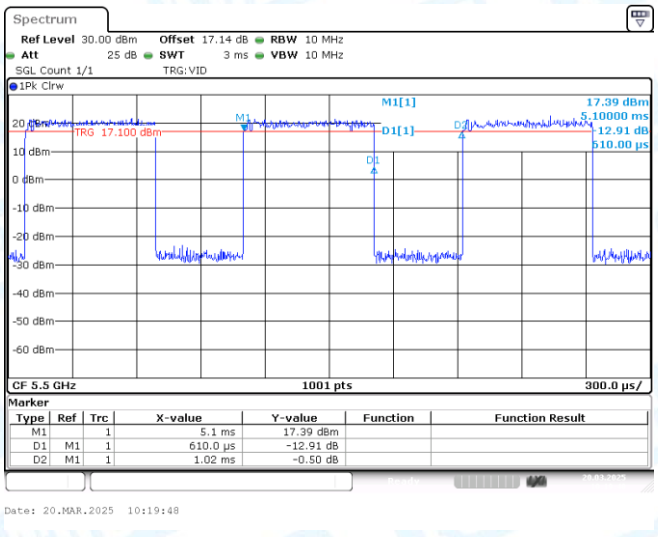

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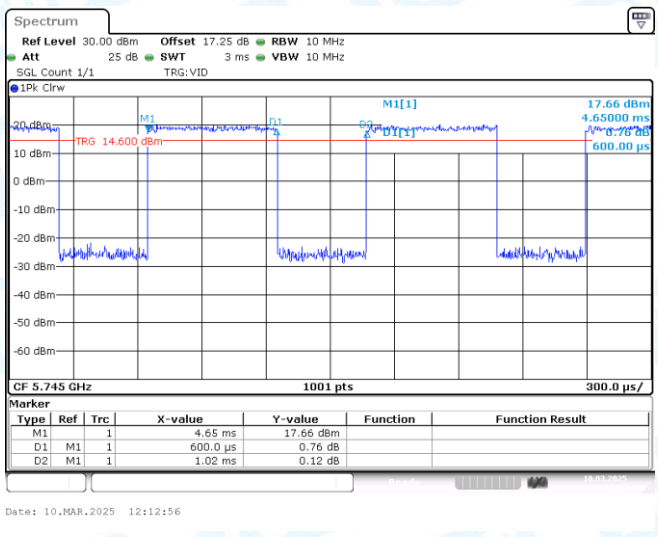

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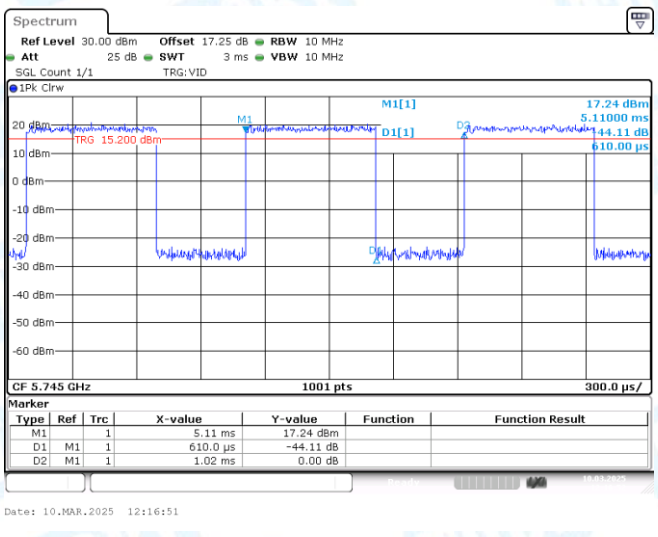
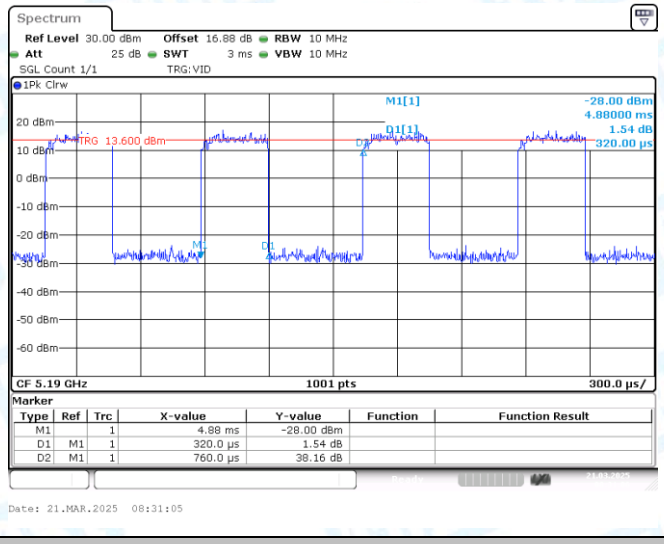
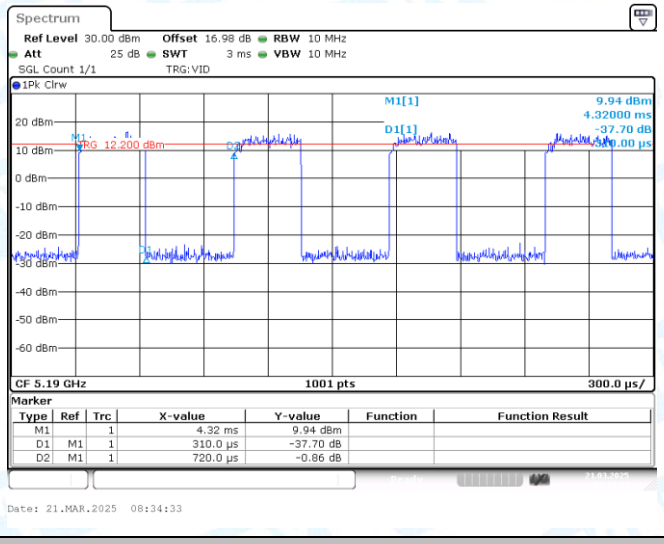


NTNV-11N20MIMO-Ant2-5745



NTNV-11N40MIMO-Ant1-5190



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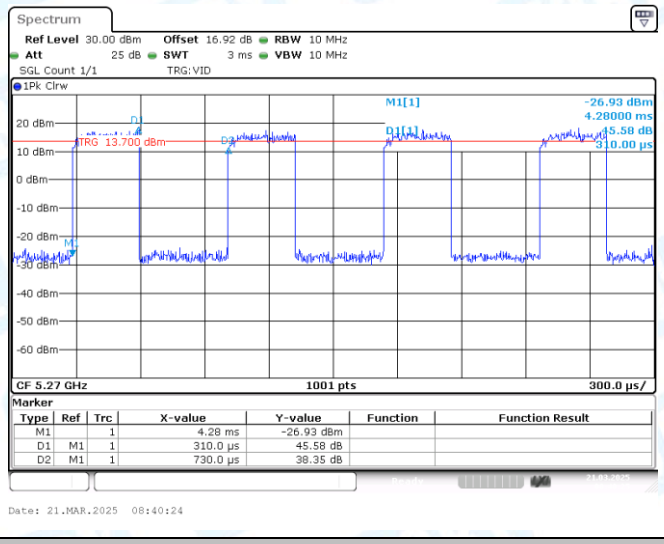
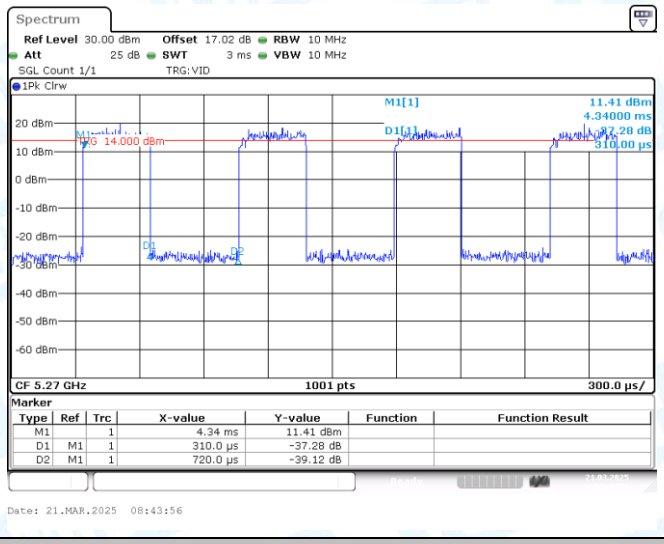
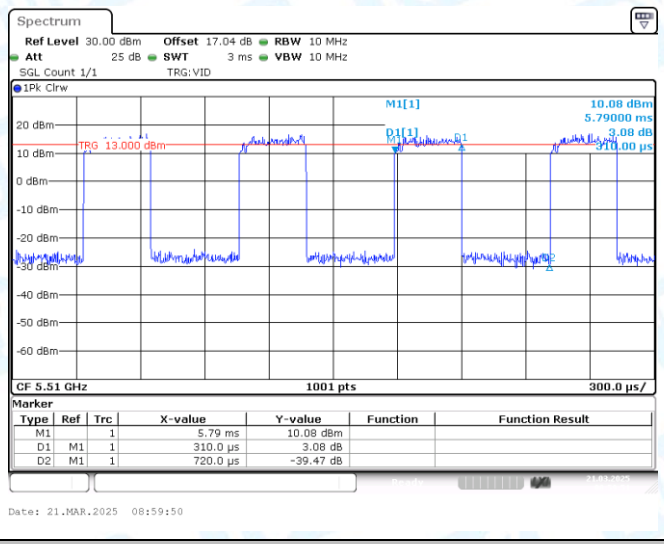


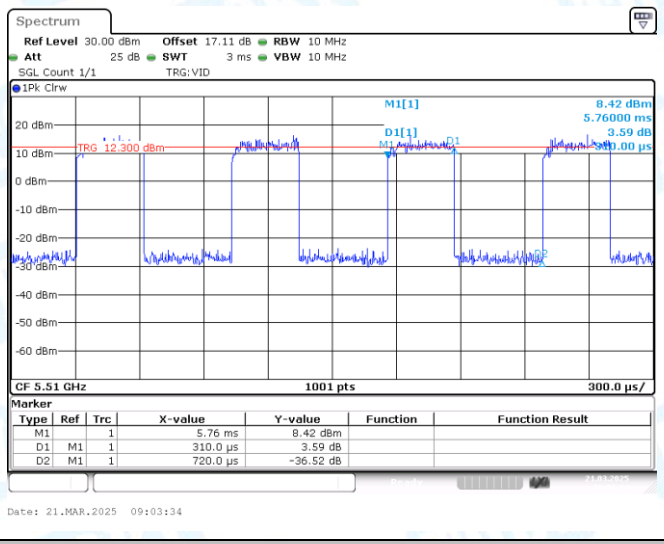
NTNV-11N40MIMO-Ant1-5270



NTNV-11N40MIMO-Ant2-5270



NTNV-11N40MIMO-Ant1-5510



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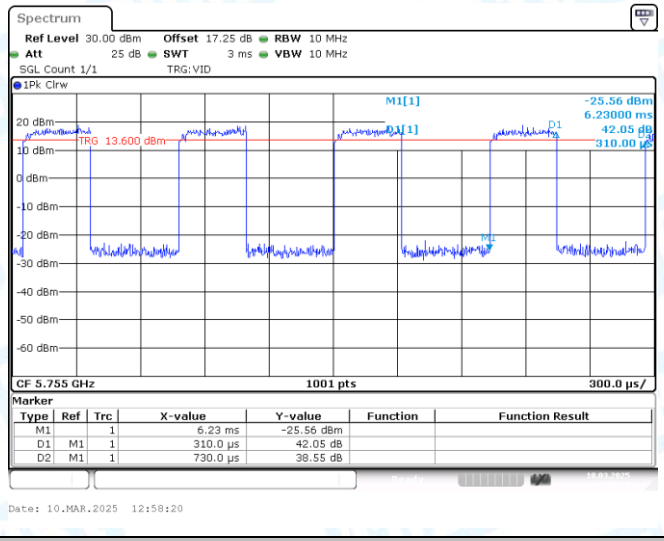
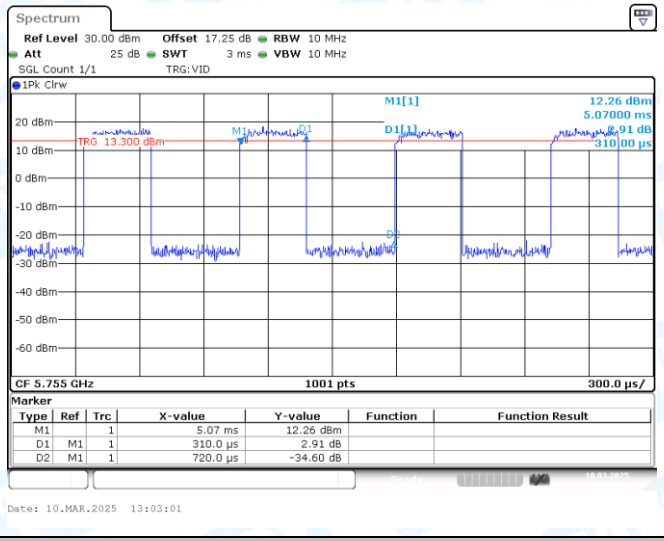


NTNV-11N40MIMO-Ant1-5755



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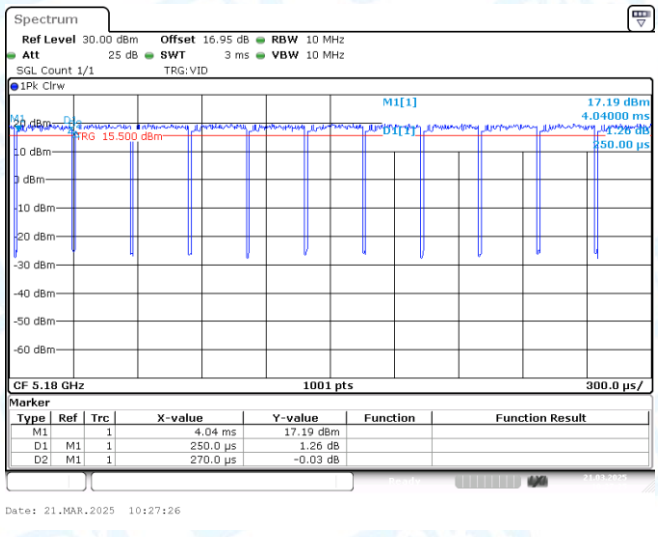
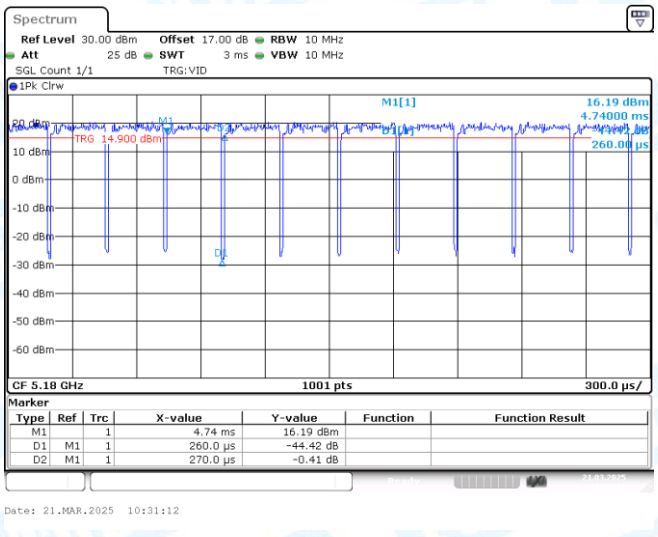
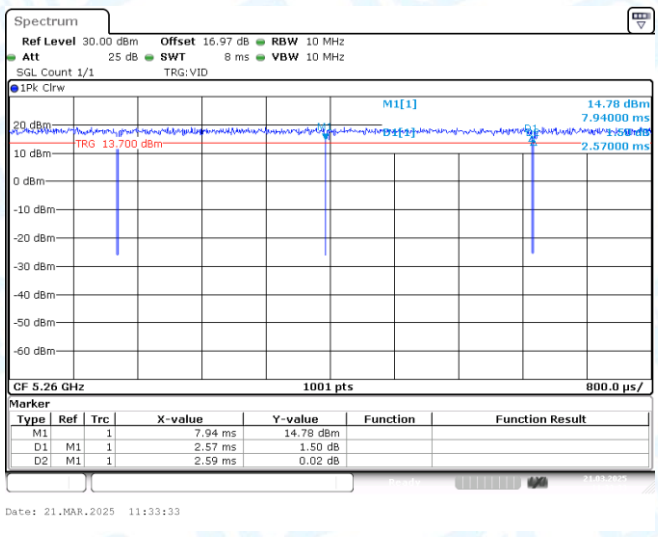


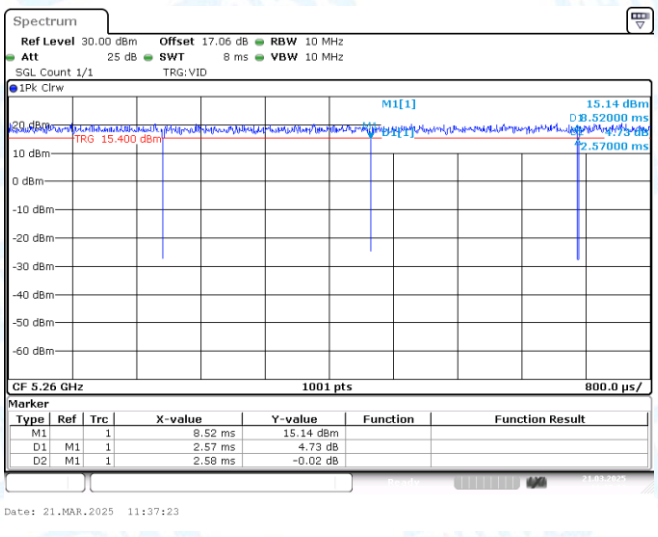
NTNV-11AC20MIMO-Ant1-5180



NTNV-11AC20MIMO-Ant2-5180



NTNV-11AC20MIMO-Ant1-5260



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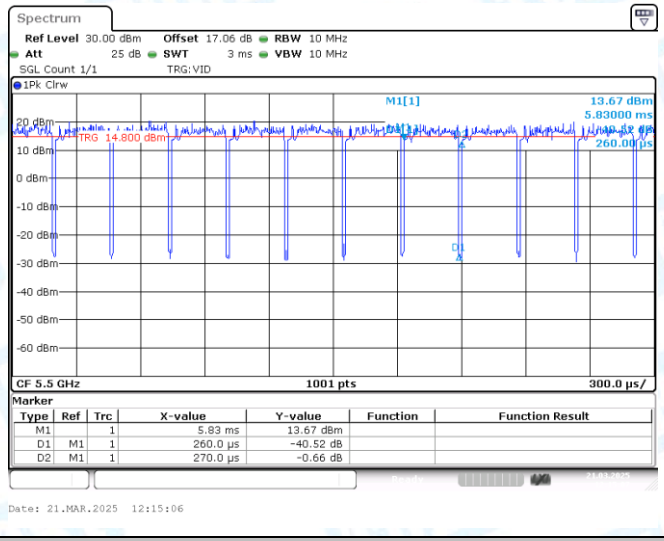

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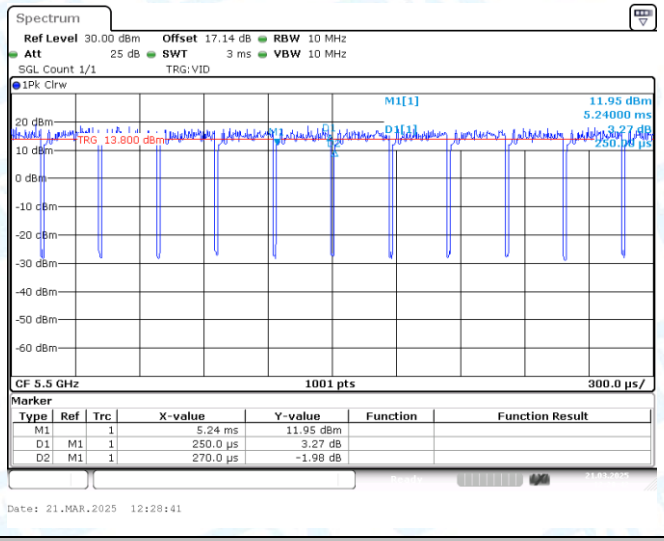

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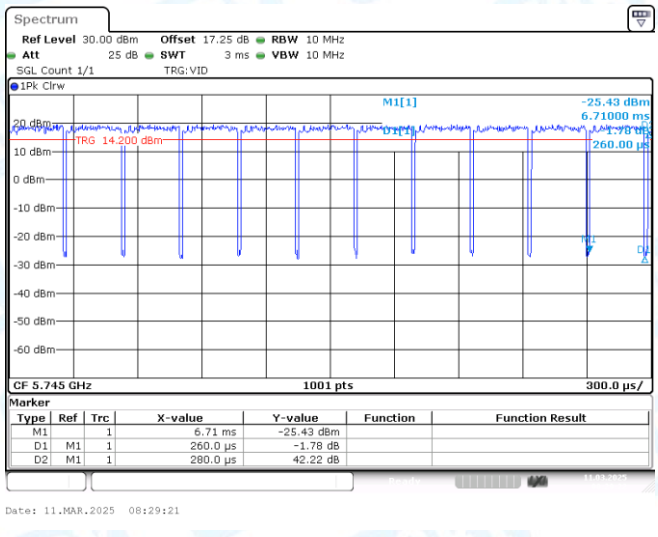

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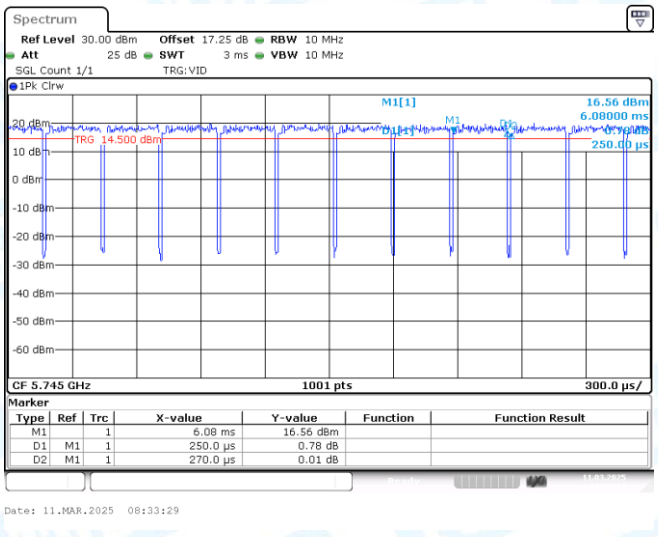
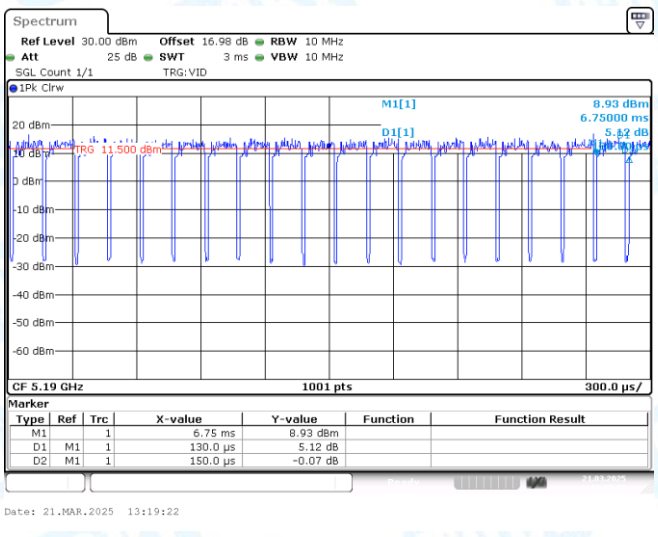


NTNV-11AC20MIMO-Ant2-5745

NTNV-11AC40MIMO-Ant1-5190



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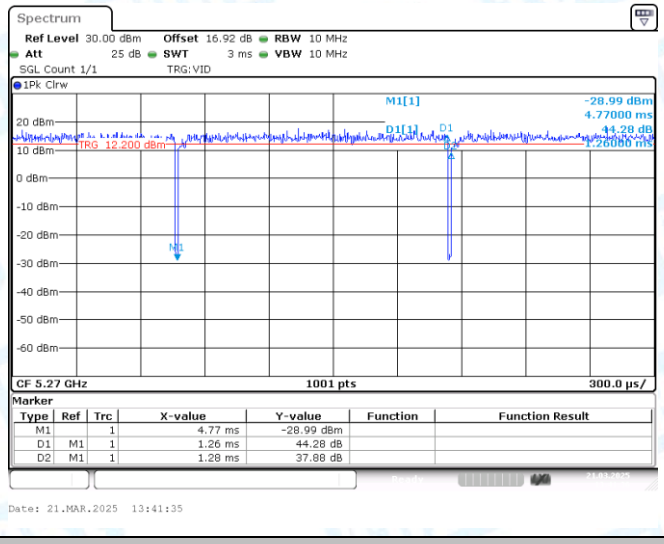

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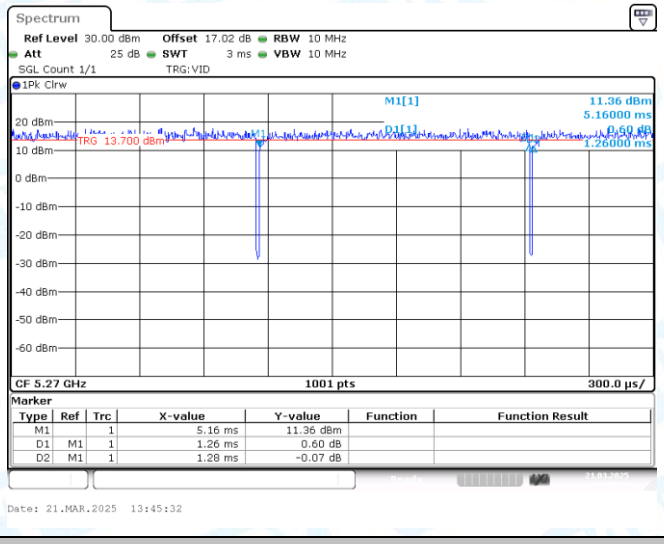

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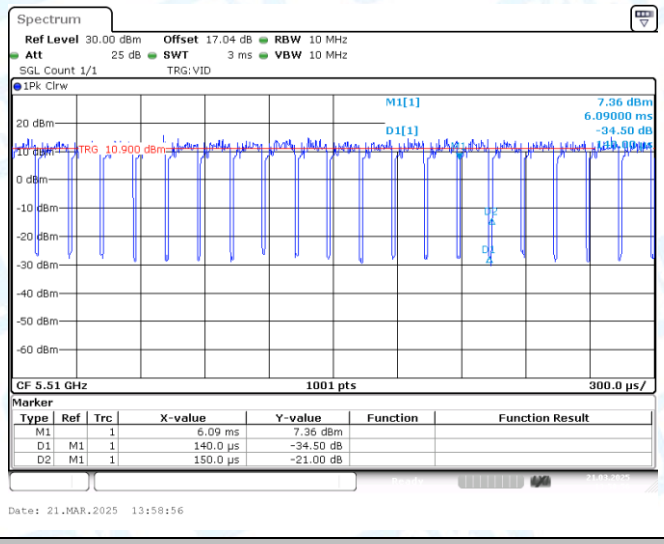

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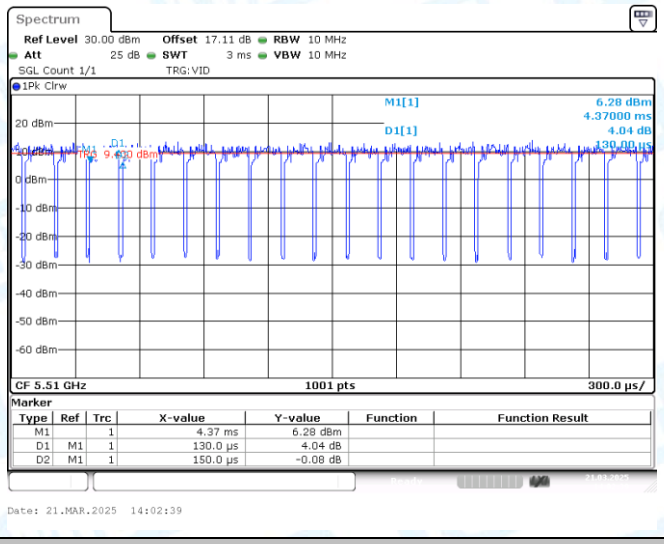
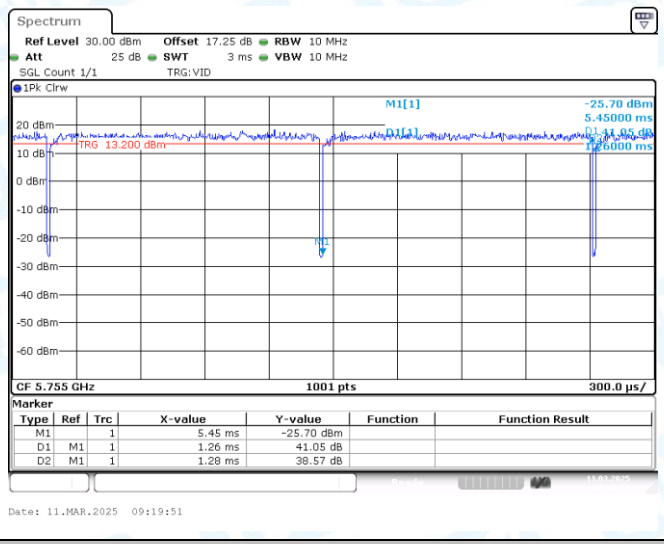
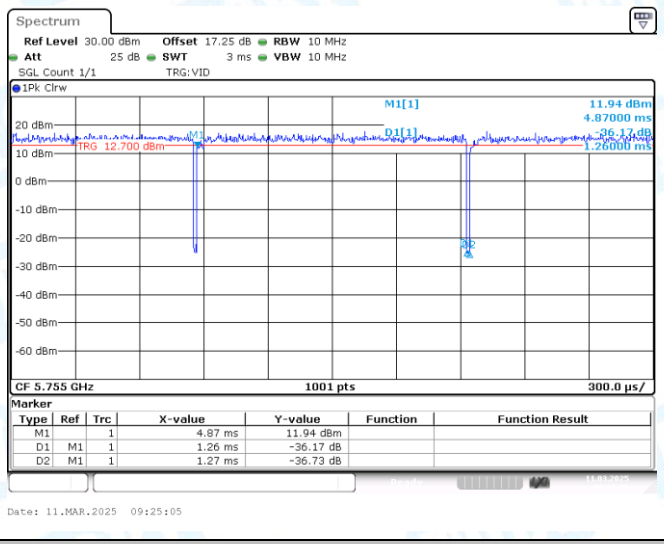


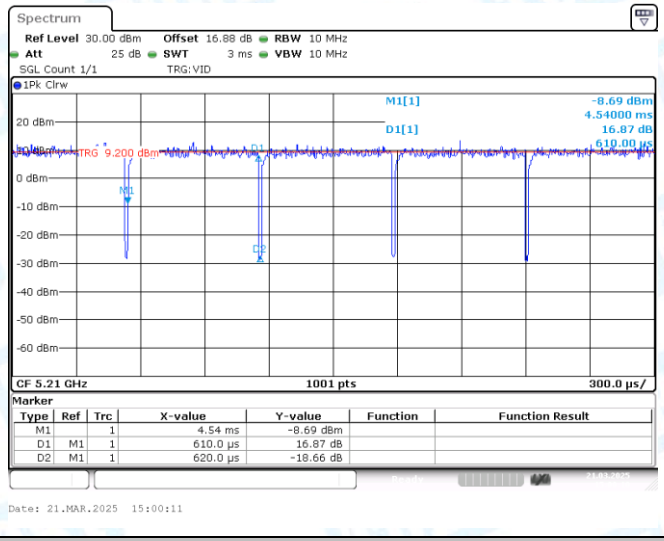
NTNV-11AC40MIMO-Ant2-5510



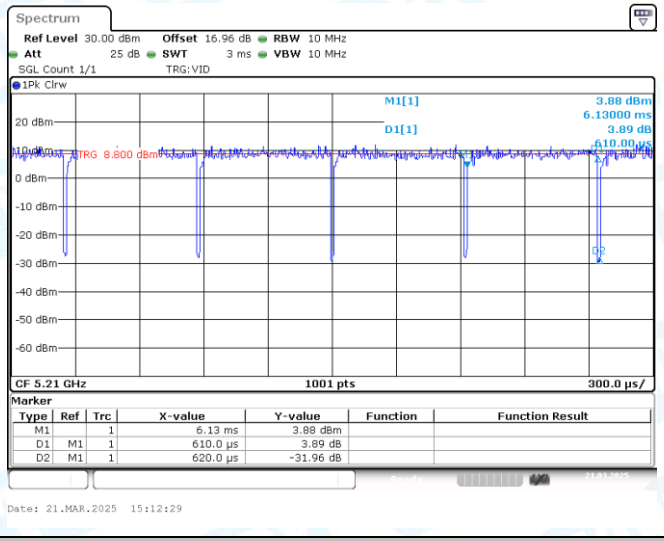
NTNV-11AC40MIMO-Ant1-5755



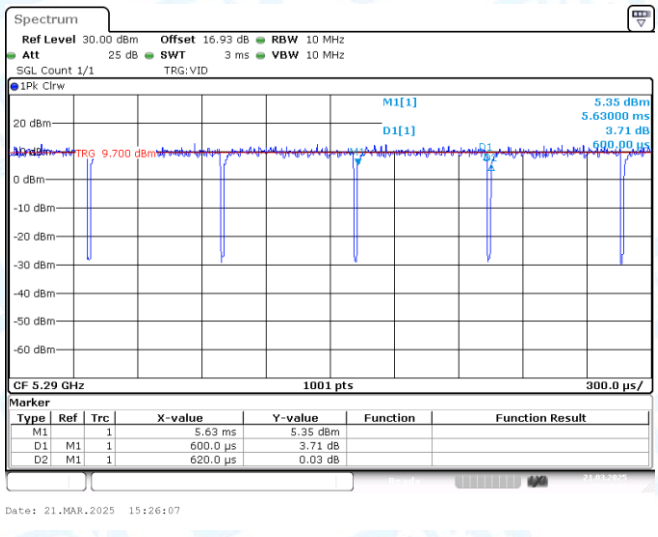
NTNV-11AC40MIMO-Ant2-5755



NTNV-11AC80MIMO-Ant1-5210



NTNV-11AC80MIMO-Ant2-5210



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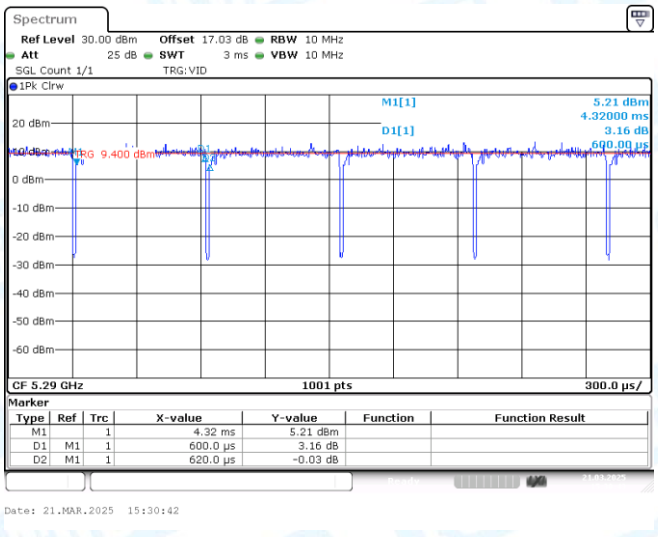
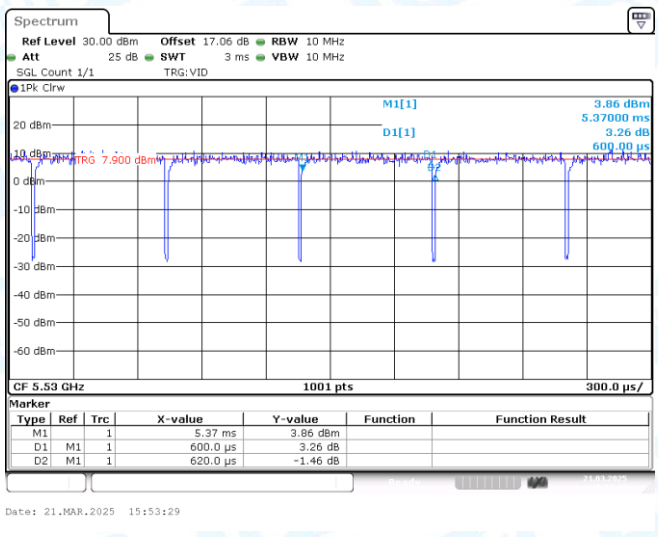
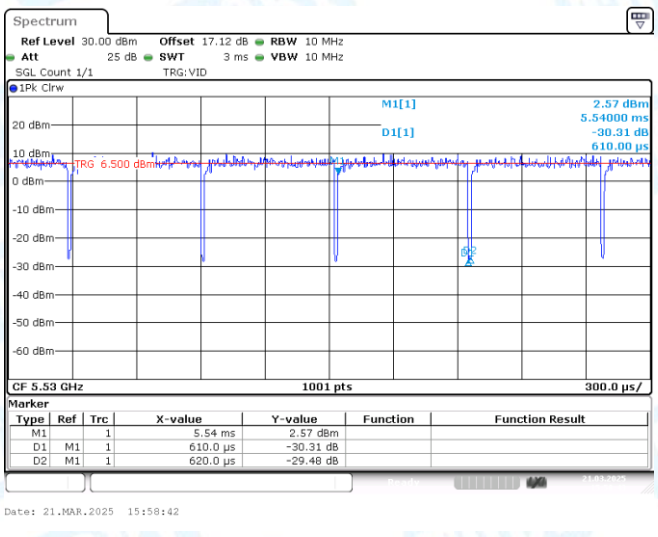


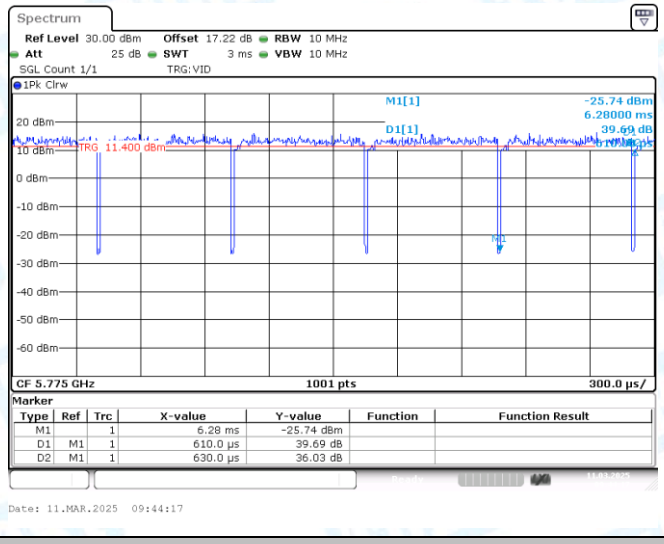
NTNV-11AC80MIMO-Ant2-5290



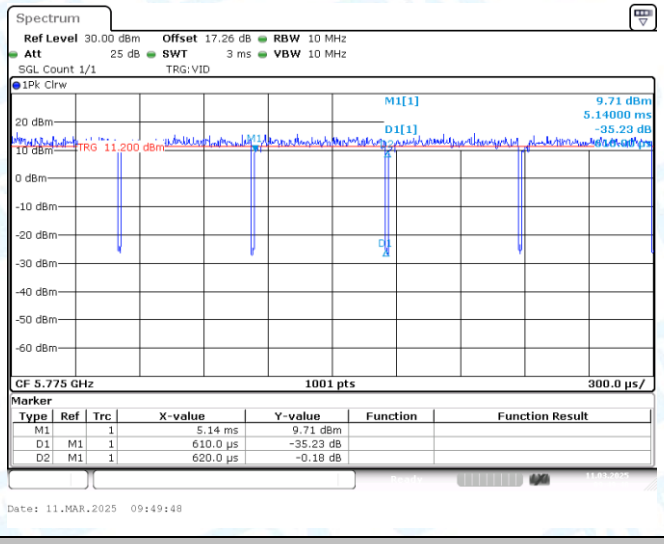
NTNV-11AC80MIMO-Ant1-5530



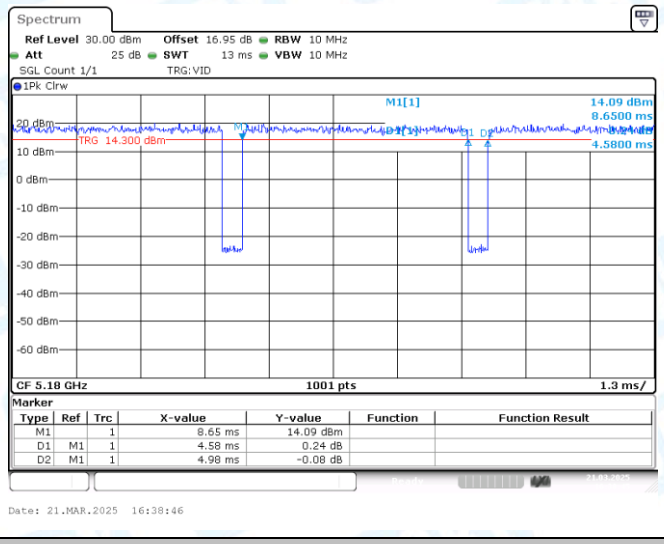
NTNV-11AC80MIMO-Ant2-5530



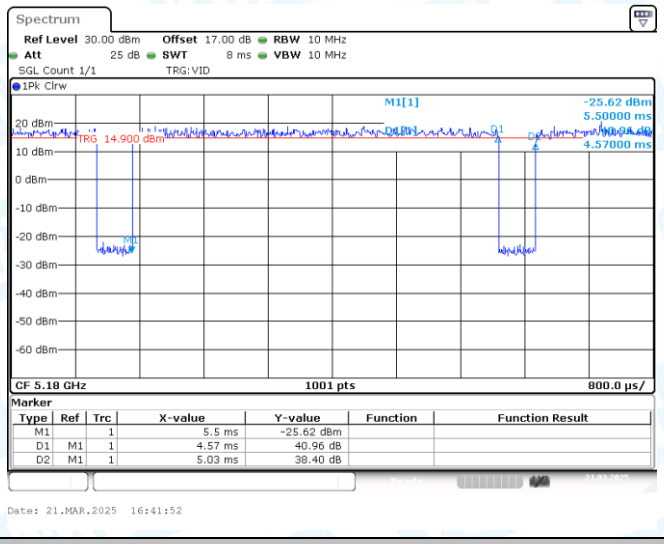
NTNV-11AC80MIMO-Ant1-5775



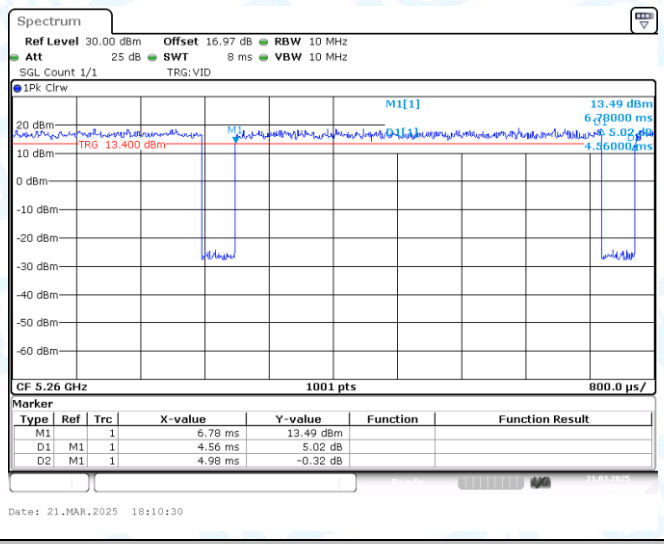
NTNV-11AC80MIMO-Ant2-5775



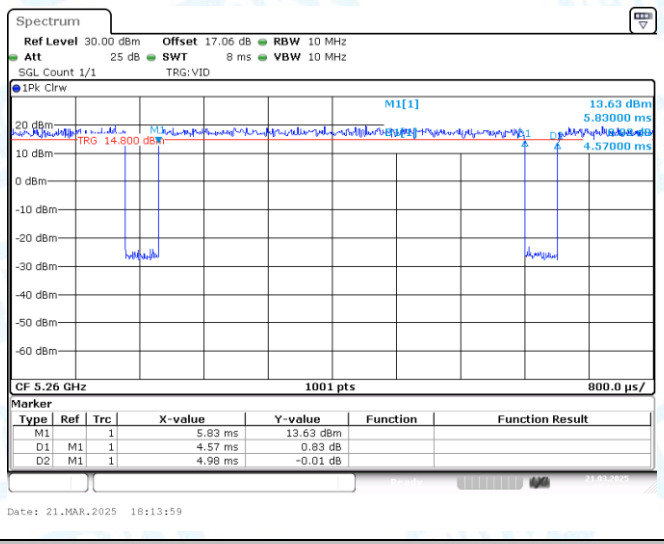
NTNV-11AX20MIMO-Ant1-5180



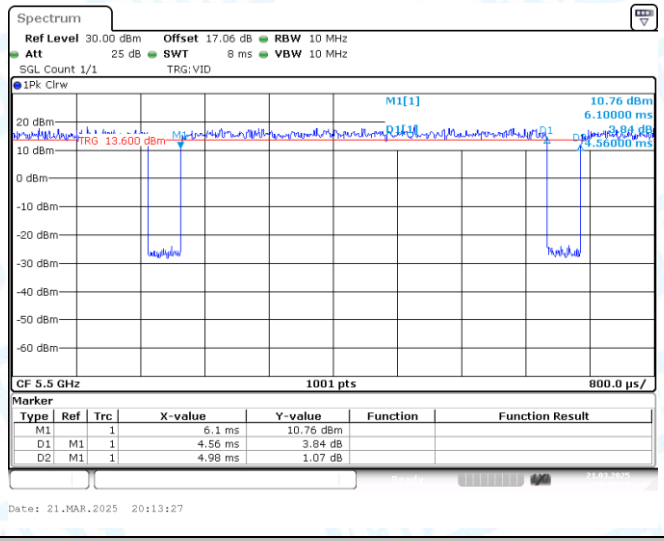
NTNV-11AX20MIMO-Ant2-5180



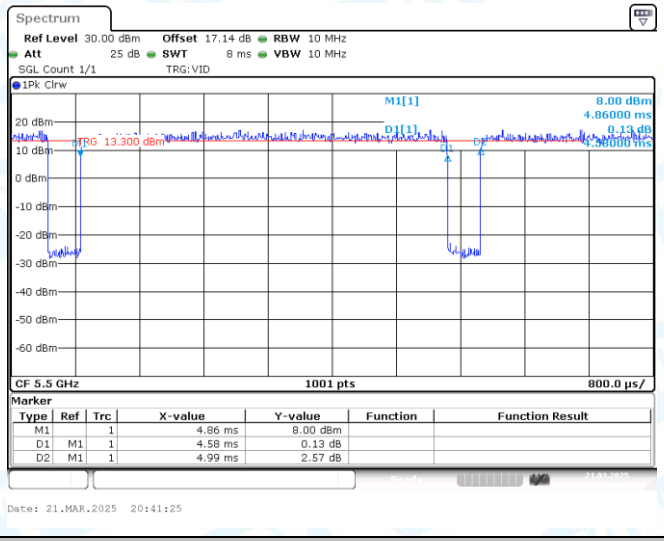
NTNV-11AX20MIMO-Ant1-5260



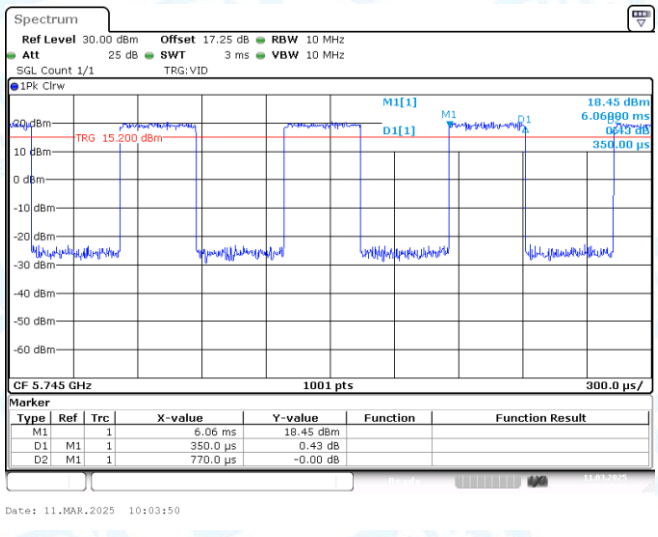
NTNV-11AX20MIMO-Ant2-5260



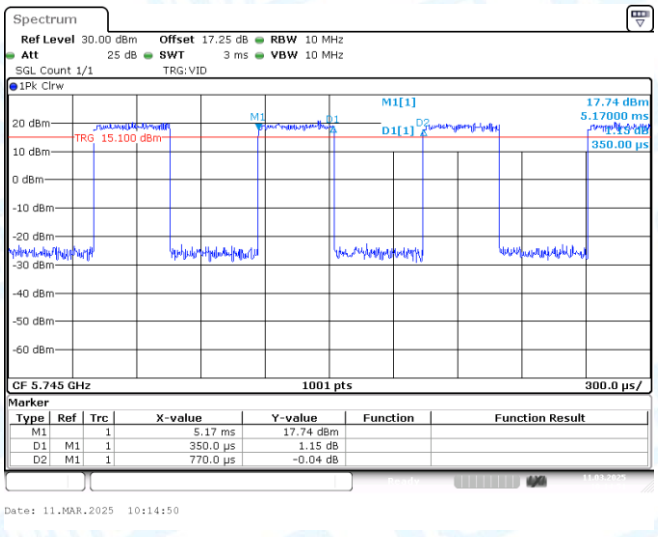
NTNV-11AX20MIMO-Ant1-5500



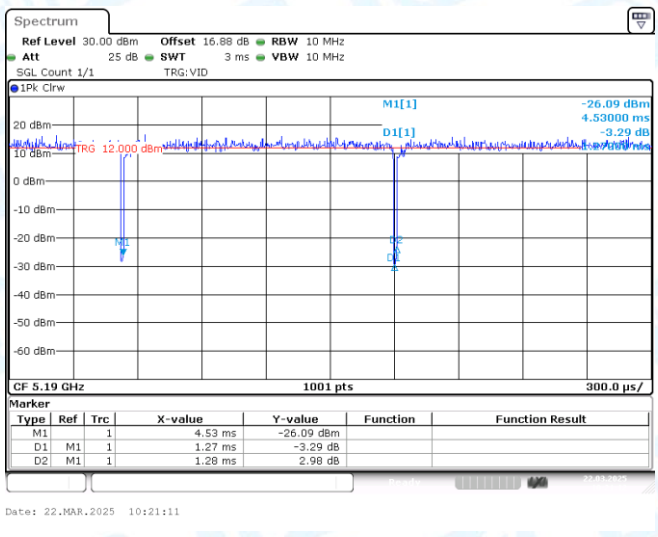
NTNV-11AX20MIMO-Ant2-5500



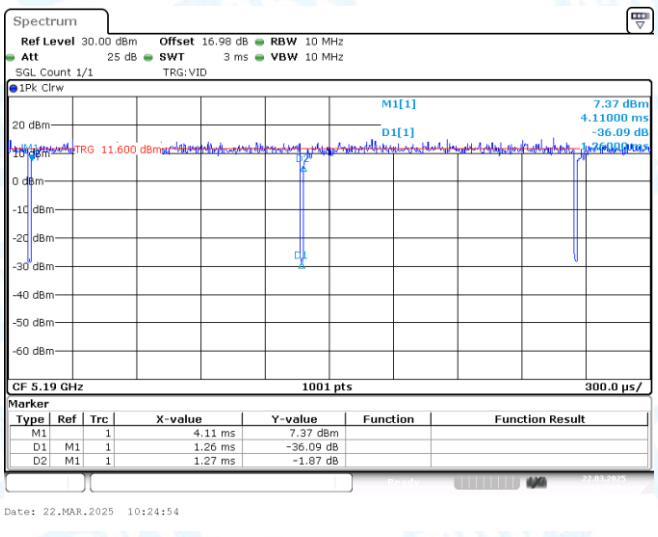
NTNV-11AX20MIMO-Ant1-5745



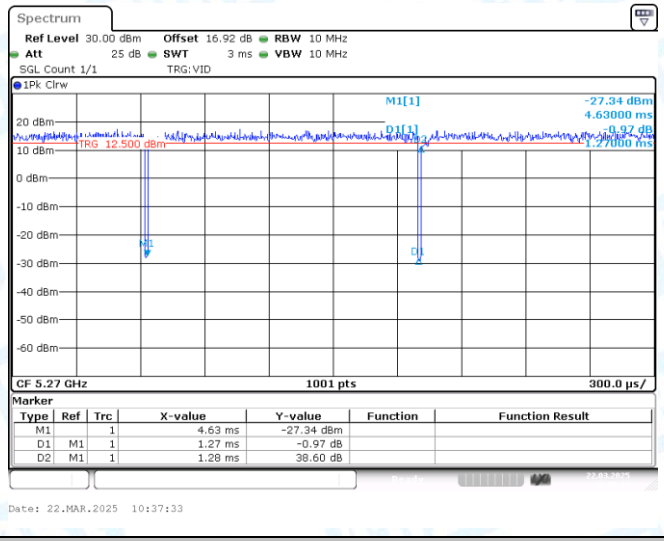
NTNV-11AX20MIMO-Ant2-5745



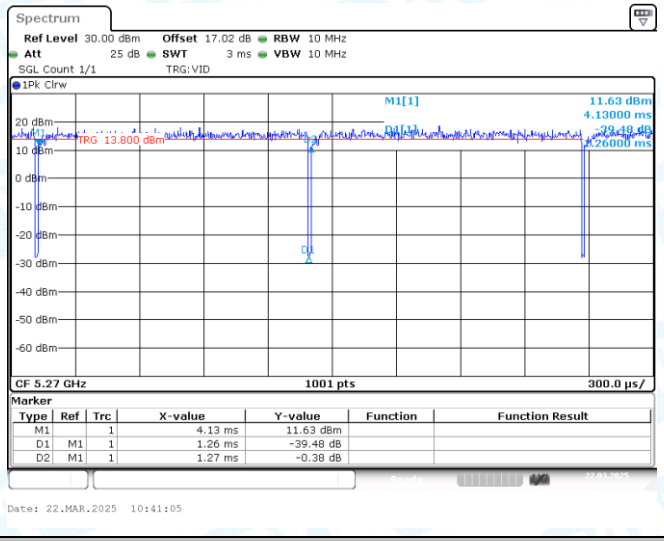
NTNV-11AX40MIMO-Ant1-5190



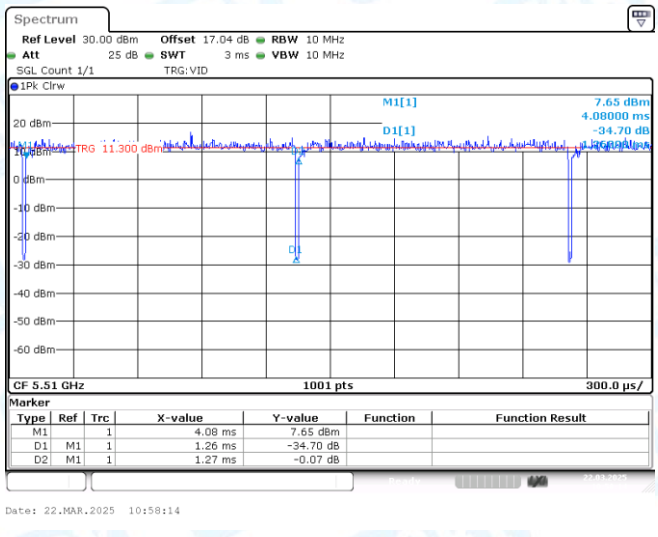
NTNV-11AX40MIMO-Ant2-5190



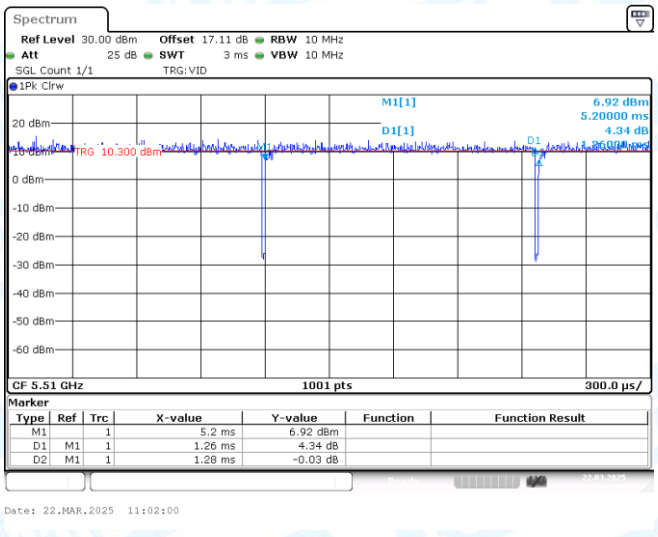
NTNV-11AX40MIMO-Ant1-5270



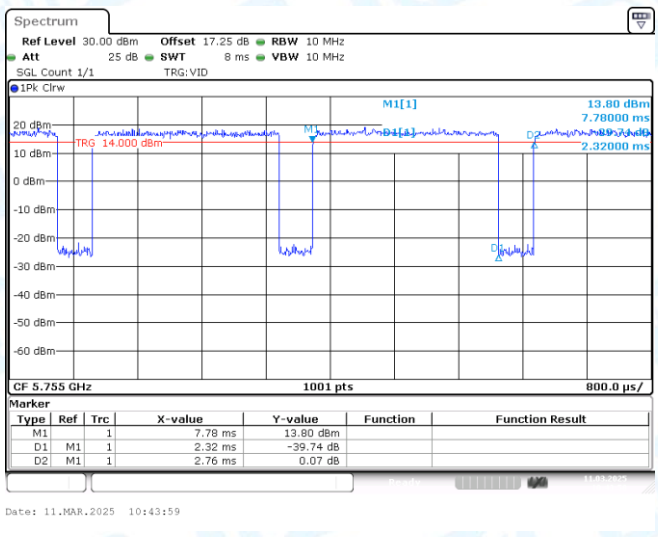
NTNV-11AX40MIMO-Ant2-5270



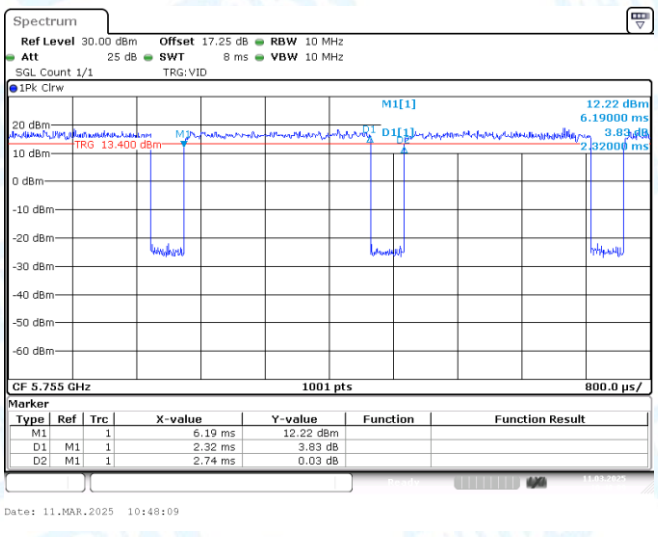
NTNV-11AX40MIMO-Ant1-5510



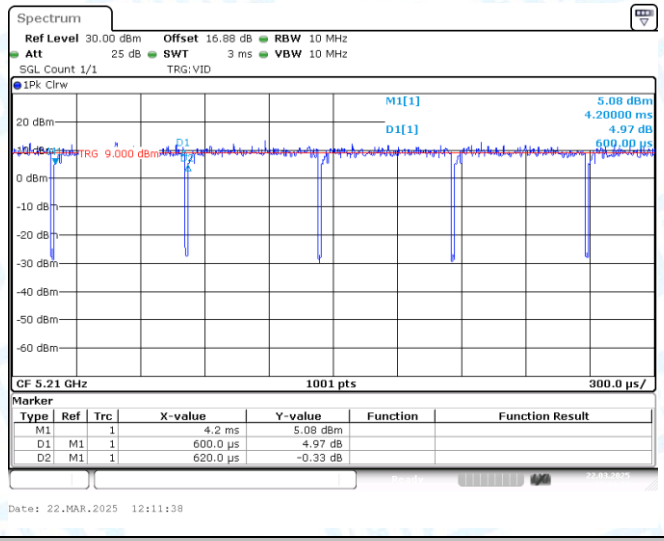
NTNV-11AX40MIMO-Ant2-5510



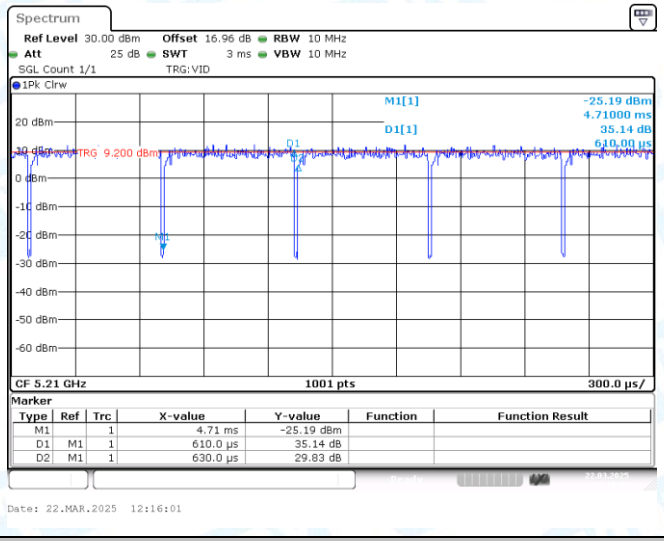
NTNV-11AX40MIMO-Ant1-5755



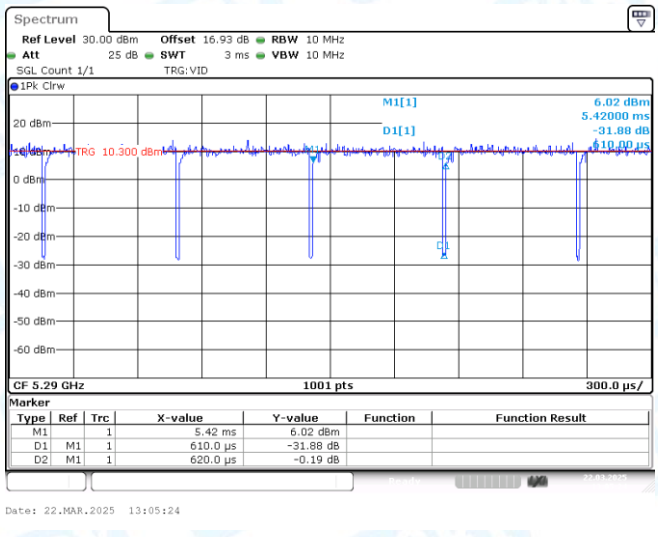
NTNV-11AX40MIMO-Ant2-5755



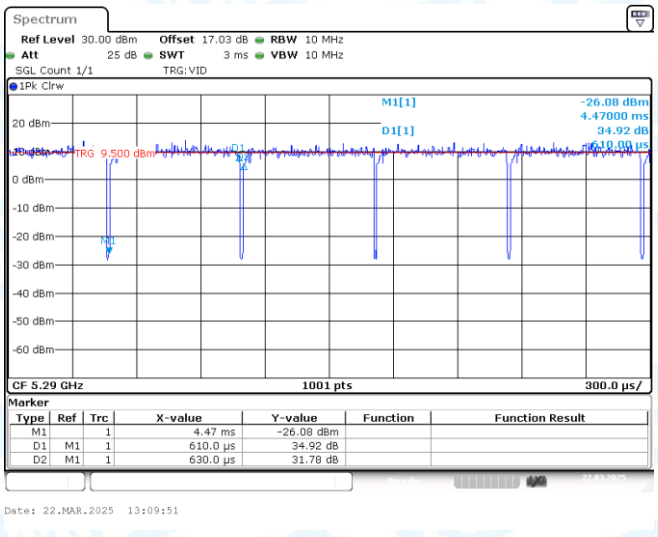
NTNV-11AX80MIMO-Ant1-5210



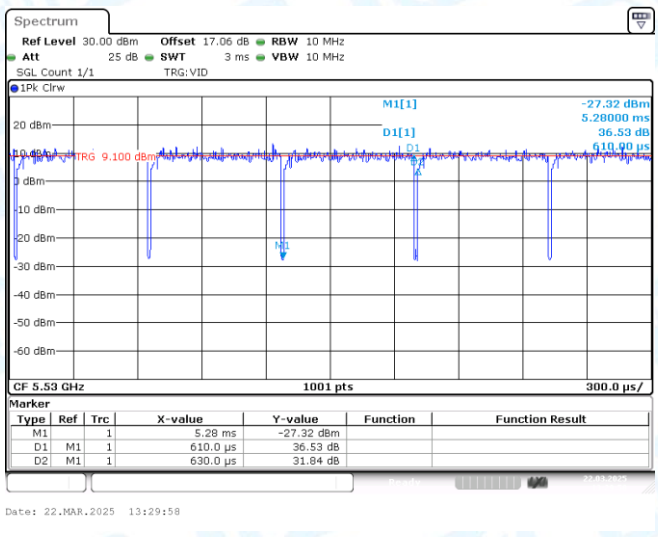
NTNV-11AX80MIMO-Ant2-5210



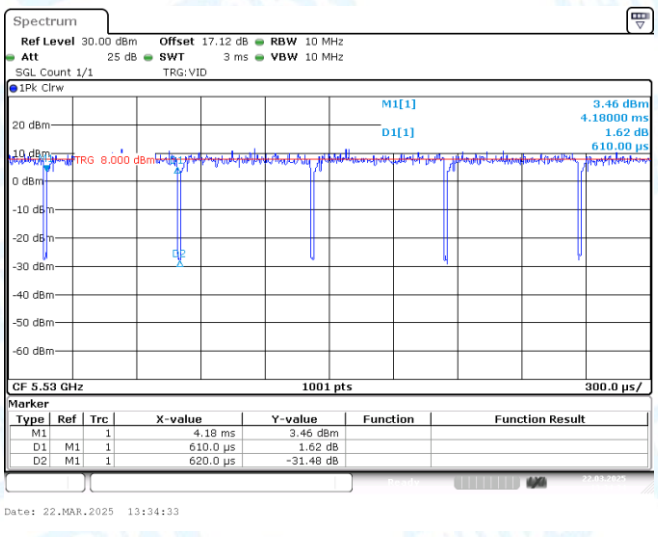
NTNV-11AX80MIMO-Ant1-5290



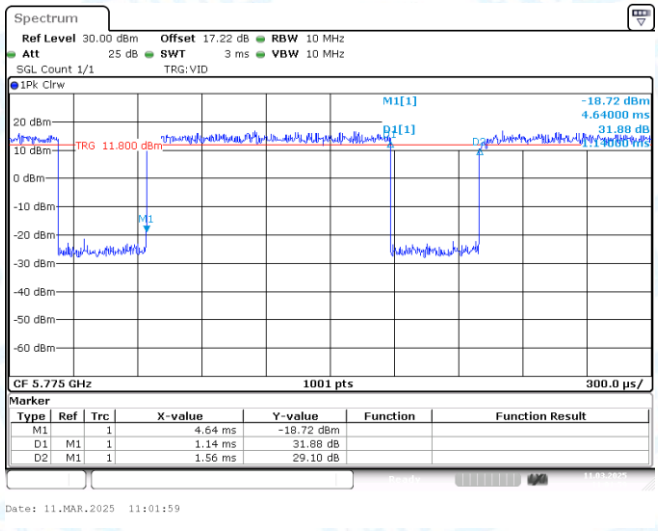
NTNV-11AX80MIMO-Ant1-5530



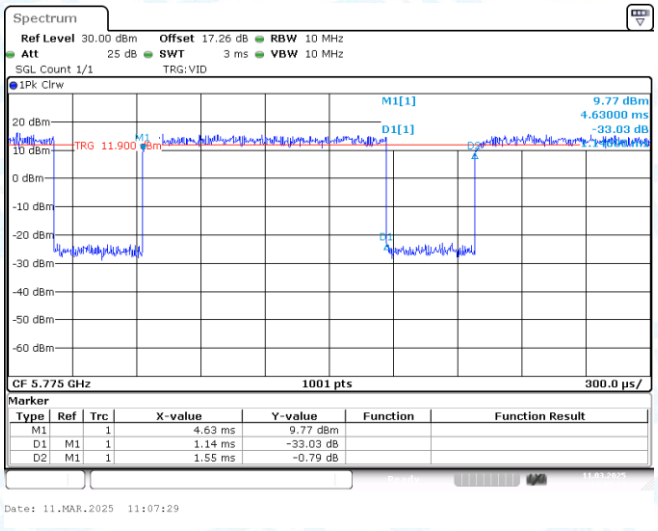
NTNV-11AX80MIMO-Ant2-5530



NTNV-11AX80MIMO-Ant2-5530



NTNV-11AX80MIMO-Ant1-5775



NTNV-11AX80MIMO-Ant2-5775

5: Maximum conducted output power

5.1 Test Result

TestMode	Antenna	Frequency [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	15.86	≤23.98	PASS
11A	Ant1	5200	17.00	≤23.98	PASS
11A	Ant1	5240	16.51	≤23.98	PASS
11A	Ant1	5260	16.70	≤23.98	PASS
11A	Ant1	5280	17.38	≤23.98	PASS
11A	Ant1	5320	15.43	≤23.98	PASS
11A	Ant1	5500	14.42	≤23.98	PASS
11A	Ant1	5580	16.11	≤23.98	PASS
11A	Ant1	5700	13.34	≤23.98	PASS
11A	Ant1	5720_UNII-2C	6.93	≤23.98	PASS
11A	Ant1	5720_UNII-3	-0.30	≤30.00	PASS
11A	Ant1	5745	16.30	≤30.00	PASS
11A	Ant1	5785	16.23	≤30.00	PASS
11A	Ant1	5825	15.80	≤30.00	PASS
11N20MIMO	Ant1	5180	15.01	≤23.98	PASS
11N20MIMO	Ant2	5180	14.29	≤23.98	PASS
11N20MIMO	**total**	**5180**	**17.68**	**≤22.00**	**PASS**
11N20MIMO	Ant1	5200	14.49	≤23.98	PASS
11N20MIMO	Ant2	5200	14.08	≤23.98	PASS
11N20MIMO	**total**	**5200**	**17.30**	**≤22.00**	**PASS**
11N20MIMO	Ant1	5240	14.86	≤23.98	PASS
11N20MIMO	Ant2	5240	14.13	≤23.98	PASS
11N20MIMO	**total**	**5240**	**17.52**	**≤22.00**	**PASS**
11N20MIMO	Ant1	5260	14.71	≤23.98	PASS
11N20MIMO	Ant2	5260	14.64	≤23.98	PASS
11N20MIMO	**total**	**5260**	**17.69**	**≤22.00**	**PASS**
11N20MIMO	Ant1	5280	14.28	≤23.98	PASS
11N20MIMO	Ant2	5280	14.63	≤23.98	PASS
11N20MIMO	**total**	**5280**	**17.47**	**≤22.00**	**PASS**
11N20MIMO	Ant1	5320	14.50	≤23.98	PASS
11N20MIMO	Ant2	5320	14.35	≤23.98	PASS
11N20MIMO	**total**	**5320**	**17.44**	**≤22.00**	**PASS**
11N20MIMO	Ant1	5500	13.32	≤23.98	PASS
11N20MIMO	Ant2	5500	12.04	≤23.98	PASS
11N20MIMO	**total**	**5500**	**15.74**	**≤22.00**	**PASS**
11N20MIMO	Ant1	5580	13.34	≤23.98	PASS
11N20MIMO	Ant2	5580	11.12	≤23.98	PASS
11N20MIMO	**total**	**5580**	**15.38**	**≤22.00**	**PASS**
11N20MIMO	Ant1	5700	14.09	≤23.98	PASS
11N20MIMO	Ant2	5700	10.15	≤23.98	PASS
11N20MIMO	**total**	**5700**	**15.56**	**≤22.00**	**PASS**

11N20MIMO	Ant1	5720_UNII-2C	3.40	≤23.98	PASS
11N20MIMO	Ant2	5720_UNII-2C	0.91	≤23.98	PASS
11N20MIMO	**total**	**5720_UNII-2C**	**5.34**	**≤22.00**	**PASS**
11N20MIMO	Ant1	5720_UNII-3	-2.07	≤30.00	PASS
11N20MIMO	Ant2	5720_UNII-3	-4.70	≤30.00	PASS
11N20MIMO	**total**	**5720_UNII-3**	**-0.18**	**≤28.02**	**PASS**
11N20MIMO	Ant1	5745	15.36	≤30.00	PASS
11N20MIMO	Ant2	5745	15.10	≤30.00	PASS
11N20MIMO	**total**	**5745**	**18.24**	**≤28.02**	**PASS**
11N20MIMO	Ant1	5785	15.20	≤30.00	PASS
11N20MIMO	Ant2	5785	14.46	≤30.00	PASS
11N20MIMO	**total**	**5785**	**17.86**	**≤28.02**	**PASS**
11N20MIMO	Ant1	5825	14.64	≤30.00	PASS
11N20MIMO	Ant2	5825	14.20	≤30.00	PASS
11N20MIMO	**total**	**5825**	**17.44**	**≤28.02**	**PASS**
11N40MIMO	Ant1	5190	12.68	≤23.98	PASS
11N40MIMO	Ant2	5190	11.90	≤23.98	PASS
11N40MIMO	**total**	**5190**	**15.32**	**≤22.00**	**PASS**
11N40MIMO	Ant1	5230	14.54	≤23.98	PASS
11N40MIMO	Ant2	5230	13.49	≤23.98	PASS
11N40MIMO	**total**	**5230**	**17.06**	**≤22.00**	**PASS**
11N40MIMO	Ant1	5270	12.87	≤23.98	PASS
11N40MIMO	Ant2	5270	12.97	≤23.98	PASS
11N40MIMO	**total**	**5270**	**15.93**	**≤22.00**	**PASS**
11N40MIMO	Ant1	5310	12.70	≤23.98	PASS
11N40MIMO	Ant2	5310	12.57	≤23.98	PASS
11N40MIMO	**total**	**5310**	**15.65**	**≤22.00**	**PASS**
11N40MIMO	Ant1	5510	11.46	≤23.98	PASS
11N40MIMO	Ant2	5510	10.10	≤23.98	PASS
11N40MIMO	**total**	**5510**	**13.84**	**≤22.00**	**PASS**
11N40MIMO	Ant1	5550	13.01	≤23.98	PASS
11N40MIMO	Ant2	5550	11.60	≤23.98	PASS
11N40MIMO	**total**	**5550**	**15.37**	**≤22.00**	**PASS**
11N40MIMO	Ant1	5670	12.47	≤23.98	PASS
11N40MIMO	Ant2	5670	8.93	≤23.98	PASS
11N40MIMO	**total**	**5670**	**14.06**	**≤22.00**	**PASS**
11N40MIMO	Ant1	5710_UNII-2C	3.22	≤23.98	PASS
11N40MIMO	Ant2	5710_UNII-2C	1.24	≤23.98	PASS
11N40MIMO	**total**	**5710_UNII-2C**	**5.35**	**≤22.00**	**PASS**
11N40MIMO	Ant1	5710_UNII-3	-5.11	≤30.00	PASS
11N40MIMO	Ant2	5710_UNII-3	-6.34	≤30.00	PASS
11N40MIMO	**total**	**5710_UNII-3**	**-2.67**	**≤28.02**	**PASS**
11N40MIMO	Ant1	5755	14.83	≤30.00	PASS
11N40MIMO	Ant2	5755	14.19	≤30.00	PASS
11N40MIMO	**total**	**5755**	**17.53**	**≤28.02**	**PASS**

11N40MIMO	Ant1	5795	14.63	≤30.00	PASS
11N40MIMO	Ant2	5795	13.89	≤30.00	PASS
11N40MIMO	**total**	**5795**	**17.29**	**≤28.02**	**PASS**
11AC20MIMO	Ant1	5180	11.92	≤23.98	PASS
11AC20MIMO	Ant2	5180	10.51	≤23.98	PASS
11AC20MIMO	**total**	**5180**	**14.28**	**≤22.00**	**PASS**
11AC20MIMO	Ant1	5200	13.24	≤23.98	PASS
11AC20MIMO	Ant2	5200	12.26	≤23.98	PASS
11AC20MIMO	**total**	**5200**	**15.79**	**≤22.00**	**PASS**
11AC20MIMO	Ant1	5240	13.01	≤23.98	PASS
11AC20MIMO	Ant2	5240	12.38	≤23.98	PASS
11AC20MIMO	**total**	**5240**	**15.72**	**≤22.00**	**PASS**
11AC20MIMO	Ant1	5260	12.47	≤23.98	PASS
11AC20MIMO	Ant2	5260	12.98	≤23.98	PASS
11AC20MIMO	**total**	**5260**	**15.74**	**≤22.00**	**PASS**
11AC20MIMO	Ant1	5280	12.51	≤23.98	PASS
11AC20MIMO	Ant2	5280	12.76	≤23.98	PASS
11AC20MIMO	**total**	**5280**	**15.65**	**≤22.00**	**PASS**
11AC20MIMO	Ant1	5320	12.27	≤23.98	PASS
11AC20MIMO	Ant2	5320	12.25	≤23.98	PASS
11AC20MIMO	**total**	**5320**	**15.27**	**≤22.00**	**PASS**
11AC20MIMO	Ant1	5500	11.63	≤23.98	PASS
11AC20MIMO	Ant2	5500	10.38	≤23.98	PASS
11AC20MIMO	**total**	**5500**	**14.06**	**≤22.00**	**PASS**
11AC20MIMO	Ant1	5580	11.13	≤23.98	PASS
11AC20MIMO	Ant2	5580	9.19	≤23.98	PASS
11AC20MIMO	**total**	**5580**	**13.28**	**≤22.00**	**PASS**
11AC20MIMO	Ant1	5700	13.88	≤23.98	PASS
11AC20MIMO	Ant2	5700	10.43	≤23.98	PASS
11AC20MIMO	**total**	**5700**	**15.50**	**≤22.00**	**PASS**
11AC20MIMO	Ant1	5720_UNII-2C	11.74	≤23.98	PASS
11AC20MIMO	Ant2	5720_UNII-2C	8.30	≤23.98	PASS
11AC20MIMO	**total**	**5720_UNII-2C**	**13.36**	**≤22.00**	**PASS**
11AC20MIMO	Ant1	5720_UNII-3	4.73	≤30.00	PASS
11AC20MIMO	Ant2	5720_UNII-3	1.27	≤30.00	PASS
11AC20MIMO	**total**	**5720_UNII-3**	**6.35**	**≤28.02**	**PASS**
11AC20MIMO	Ant1	5745	14.62	≤30.00	PASS
11AC20MIMO	Ant2	5745	14.33	≤30.00	PASS
11AC20MIMO	**total**	**5745**	**17.49**	**≤28.02**	**PASS**
11AC20MIMO	Ant1	5785	14.49	≤30.00	PASS
11AC20MIMO	Ant2	5785	15.02	≤30.00	PASS
11AC20MIMO	**total**	**5785**	**17.77**	**≤28.02**	**PASS**
11AC20MIMO	Ant1	5825	14.31	≤30.00	PASS
11AC20MIMO	Ant2	5825	15.25	≤30.00	PASS
11AC20MIMO	**total**	**5825**	**17.82**	**≤28.02**	**PASS**

11AC40MIMO	Ant1	5190	10.95	≤23.98	PASS
11AC40MIMO	Ant2	5190	10.09	≤23.98	PASS
11AC40MIMO	**total**	**5190**	**13.55**	**≤22.00**	**PASS**
11AC40MIMO	Ant1	5230	12.98	≤23.98	PASS
11AC40MIMO	Ant2	5230	12.70	≤23.98	PASS
11AC40MIMO	**total**	**5230**	**15.85**	**≤22.00**	**PASS**
11AC40MIMO	Ant1	5270	12.36	≤23.98	PASS
11AC40MIMO	Ant2	5270	12.96	≤23.98	PASS
11AC40MIMO	**total**	**5270**	**15.68**	**≤22.00**	**PASS**
11AC40MIMO	Ant1	5310	10.62	≤23.98	PASS
11AC40MIMO	Ant2	5310	11.07	≤23.98	PASS
11AC40MIMO	**total**	**5310**	**13.86**	**≤22.00**	**PASS**
11AC40MIMO	Ant1	5510	9.22	≤23.98	PASS
11AC40MIMO	Ant2	5510	8.37	≤23.98	PASS
11AC40MIMO	**total**	**5510**	**11.83**	**≤22.00**	**PASS**
11AC40MIMO	Ant1	5550	10.78	≤23.98	PASS
11AC40MIMO	Ant2	5550	9.16	≤23.98	PASS
11AC40MIMO	**total**	**5550**	**13.06**	**≤22.00**	**PASS**
11AC40MIMO	Ant1	5670	10.31	≤23.98	PASS
11AC40MIMO	Ant2	5670	6.80	≤23.98	PASS
11AC40MIMO	**total**	**5670**	**11.91**	**≤22.00**	**PASS**
11AC40MIMO	Ant1	5710_UNII-2C	8.14	≤23.98	PASS
11AC40MIMO	Ant2	5710_UNII-2C	4.78	≤23.98	PASS
11AC40MIMO	**total**	**5710_UNII-2C**	**9.79**	**≤22.00**	**PASS**
11AC40MIMO	Ant1	5710_UNII-3	-3.30	≤30.00	PASS
11AC40MIMO	Ant2	5710_UNII-3	-6.19	≤30.00	PASS
11AC40MIMO	**total**	**5710_UNII-3**	**-1.50**	**≤28.02**	**PASS**
11AC40MIMO	Ant1	5755	13.79	≤30.00	PASS
11AC40MIMO	Ant2	5755	13.18	≤30.00	PASS
11AC40MIMO	**total**	**5755**	**16.51**	**≤28.02**	**PASS**
11AC40MIMO	Ant1	5795	14.76	≤30.00	PASS
11AC40MIMO	Ant2	5795	14.36	≤30.00	PASS
11AC40MIMO	**total**	**5795**	**17.57**	**≤28.02**	**PASS**
11AC80MIMO	Ant1	5210	10.01	≤23.98	PASS
11AC80MIMO	Ant2	5210	9.51	≤23.98	PASS
11AC80MIMO	**total**	**5210**	**12.78**	**≤22.00**	**PASS**
11AC80MIMO	Ant1	5290	10.92	≤23.98	PASS
11AC80MIMO	Ant2	5290	10.85	≤23.98	PASS
11AC80MIMO	**total**	**5290**	**13.90**	**≤22.00**	**PASS**
11AC80MIMO	Ant1	5530	8.89	≤23.98	PASS
11AC80MIMO	Ant2	5530	7.65	≤23.98	PASS
11AC80MIMO	**total**	**5530**	**11.32**	**≤22.00**	**PASS**
11AC80MIMO	Ant1	5610	9.17	≤23.98	PASS
11AC80MIMO	Ant2	5610	5.91	≤23.98	PASS
11AC80MIMO	**total**	**5610**	**10.85**	**≤22.00**	**PASS**

11AC80MIMO	Ant1	5690_UNII-2C	8.05	≤23.98	PASS
11AC80MIMO	Ant2	5690_UNII-2C	4.29	≤23.98	PASS
11AC80MIMO	**total**	**5690_UNII-2C**	**9.58**	**≤22.00**	**PASS**
11AC80MIMO	Ant1	5690_UNII-3	-5.32	≤30.00	PASS
11AC80MIMO	Ant2	5690_UNII-3	-7.53	≤30.00	PASS
11AC80MIMO	**total**	**5690_UNII-3**	**-3.28**	**≤28.02**	**PASS**
11AC80MIMO	Ant1	5775	14.61	≤30.00	PASS
11AC80MIMO	Ant2	5775	14.14	≤30.00	PASS
11AC80MIMO	**total**	**5775**	**17.39**	**≤28.02**	**PASS**
11AX20MIMO	Ant1	5180	14.39	≤23.98	PASS
11AX20MIMO	Ant2	5180	13.32	≤23.98	PASS
11AX20MIMO	**total**	**5180**	**16.90**	**≤22.00**	**PASS**
11AX20MIMO	Ant1	5200	10.57	≤23.98	PASS
11AX20MIMO	Ant2	5200	10.11	≤23.98	PASS
11AX20MIMO	**total**	**5200**	**13.36**	**≤22.00**	**PASS**
11AX20MIMO	Ant1	5240	10.53	≤23.98	PASS
11AX20MIMO	Ant2	5240	10.02	≤23.98	PASS
11AX20MIMO	**total**	**5240**	**13.29**	**≤22.00**	**PASS**
11AX20MIMO	Ant1	5260	10.25	≤23.98	PASS
11AX20MIMO	Ant2	5260	10.37	≤23.98	PASS
11AX20MIMO	**total**	**5260**	**13.32**	**≤22.00**	**PASS**
11AX20MIMO	Ant1	5280	10.74	≤23.98	PASS
11AX20MIMO	Ant2	5280	10.56	≤23.98	PASS
11AX20MIMO	**total**	**5280**	**13.66**	**≤22.00**	**PASS**
11AX20MIMO	Ant1	5320	10.12	≤23.98	PASS
11AX20MIMO	Ant2	5320	10.28	≤23.98	PASS
11AX20MIMO	**total**	**5320**	**13.21**	**≤22.00**	**PASS**
11AX20MIMO	Ant1	5500	9.05	≤23.98	PASS
11AX20MIMO	Ant2	5500	7.98	≤23.98	PASS
11AX20MIMO	**total**	**5500**	**11.56**	**≤22.00**	**PASS**
11AX20MIMO	Ant1	5580	9.21	≤23.98	PASS
11AX20MIMO	Ant2	5580	6.32	≤23.98	PASS
11AX20MIMO	**total**	**5580**	**11.01**	**≤22.00**	**PASS**
11AX20MIMO	Ant1	5700	8.24	≤23.98	PASS
11AX20MIMO	Ant2	5700	3.87	≤23.98	PASS
11AX20MIMO	**total**	**5700**	**9.59**	**≤22.00**	**PASS**
11AX20MIMO	Ant1	5720_UNII-2C	6.08	≤23.98	PASS
11AX20MIMO	Ant2	5720_UNII-2C	2.32	≤23.98	PASS
11AX20MIMO	**total**	**5720_UNII-2C**	**7.61**	**≤22.00**	**PASS**
11AX20MIMO	Ant1	5720_UNII-3	-0.41	≤30.00	PASS
11AX20MIMO	Ant2	5720_UNII-3	-4.26	≤30.00	PASS
11AX20MIMO	**total**	**5720_UNII-3**	**1.09**	**≤28.02**	**PASS**
11AX20MIMO	Ant1	5745	16.09	≤30.00	PASS
11AX20MIMO	Ant2	5745	15.63	≤30.00	PASS
11AX20MIMO	**total**	**5745**	**18.88**	**≤28.02**	**PASS**

11AX20MIMO	Ant1	5785	15.87	≤30.00	PASS
11AX20MIMO	Ant2	5785	15.29	≤30.00	PASS
11AX20MIMO	**total**	**5785**	**18.60**	**≤28.02**	**PASS**
11AX20MIMO	Ant1	5825	15.79	≤30.00	PASS
11AX20MIMO	Ant2	5825	15.57	≤30.00	PASS
11AX20MIMO	**total**	**5825**	**18.69**	**≤28.02**	**PASS**
11AX40MIMO	Ant1	5190	9.83	≤23.98	PASS
11AX40MIMO	Ant2	5190	8.82	≤23.98	PASS
11AX40MIMO	**total**	**5190**	**12.36**	**≤22.00**	**PASS**
11AX40MIMO	Ant1	5230	12.61	≤23.98	PASS
11AX40MIMO	Ant2	5230	12.13	≤23.98	PASS
11AX40MIMO	**total**	**5230**	**15.39**	**≤22.00**	**PASS**
11AX40MIMO	Ant1	5270	12.46	≤23.98	PASS
11AX40MIMO	Ant2	5270	12.99	≤23.98	PASS
11AX40MIMO	**total**	**5270**	**15.74**	**≤22.00**	**PASS**
11AX40MIMO	Ant1	5310	10.18	≤23.98	PASS
11AX40MIMO	Ant2	5310	10.75	≤23.98	PASS
11AX40MIMO	**total**	**5310**	**13.48**	**≤22.00**	**PASS**
11AX40MIMO	Ant1	5510	9.25	≤23.98	PASS
11AX40MIMO	Ant2	5510	8.57	≤23.98	PASS
11AX40MIMO	**total**	**5510**	**11.93**	**≤22.00**	**PASS**
11AX40MIMO	Ant1	5550	9.30	≤23.98	PASS
11AX40MIMO	Ant2	5550	8.09	≤23.98	PASS
11AX40MIMO	**total**	**5550**	**11.75**	**≤22.00**	**PASS**
11AX40MIMO	Ant1	5670	8.50	≤23.98	PASS
11AX40MIMO	Ant2	5670	5.40	≤23.98	PASS
11AX40MIMO	**total**	**5670**	**10.23**	**≤22.00**	**PASS**
11AX40MIMO	Ant1	5710_UNII-2C	10.25	≤23.98	PASS
11AX40MIMO	Ant2	5710_UNII-2C	7.55	≤23.98	PASS
11AX40MIMO	**total**	**5710_UNII-2C**	**12.12**	**≤22.00**	**PASS**
11AX40MIMO	Ant1	5710_UNII-3	-1.75	≤30.00	PASS
11AX40MIMO	Ant2	5710_UNII-3	-4.20	≤30.00	PASS
11AX40MIMO	**total**	**5710_UNII-3**	**0.21**	**≤28.02**	**PASS**
11AX40MIMO	Ant1	5755	14.52	≤30.00	PASS
11AX40MIMO	Ant2	5755	13.74	≤30.00	PASS
11AX40MIMO	**total**	**5755**	**17.16**	**≤28.02**	**PASS**
11AX40MIMO	Ant1	5795	14.79	≤30.00	PASS
11AX40MIMO	Ant2	5795	14.18	≤30.00	PASS
11AX40MIMO	**total**	**5795**	**17.51**	**≤28.02**	**PASS**
11AX80MIMO	Ant1	5210	9.95	≤23.98	PASS
11AX80MIMO	Ant2	5210	9.52	≤23.98	PASS
11AX80MIMO	**total**	**5210**	**12.75**	**≤22.00**	**PASS**
11AX80MIMO	Ant1	5290	10.97	≤23.98	PASS
11AX80MIMO	Ant2	5290	10.87	≤23.98	PASS
11AX80MIMO	**total**	**5290**	**13.93**	**≤22.00**	**PASS**

11AX80MIMO	Ant1	5530	9.37	≤23.98	PASS
11AX80MIMO	Ant2	5530	8.37	≤23.98	PASS
11AX80MIMO	**total**	**5530**	**11.91**	**≤22.00**	**PASS**
11AX80MIMO	Ant1	5610	9.19	≤23.98	PASS
11AX80MIMO	Ant2	5610	7.07	≤23.98	PASS
11AX80MIMO	**total**	**5610**	**11.27**	**≤22.00**	**PASS**
11AX80MIMO	Ant1	5690_UNII-2C	8.74	≤23.98	PASS
11AX80MIMO	Ant2	5690_UNII-2C	5.84	≤23.98	PASS
11AX80MIMO	**total**	**5690_UNII-2C**	**10.54**	**≤22.00**	**PASS**
11AX80MIMO	Ant1	5690_UNII-3	-4.83	≤30.00	PASS
11AX80MIMO	Ant2	5690_UNII-3	-6.68	≤30.00	PASS
11AX80MIMO	**total**	**5690_UNII-3**	**-2.65**	**≤28.02**	**PASS**
11AX80MIMO	Ant1	5775	15.00	≤30.00	PASS
11AX80MIMO	Ant2	5775	14.37	≤30.00	PASS
11AX80MIMO	**total**	**5775**	**17.71**	**≤28.02**	**PASS**

Note： The EUT incorporates a MIMO function. Physically, the EUT provides two antennas for transmitting and receiving.
When ANT.1 and ANT. 2 transmitting simultaneously, and the
Directional Gain=7.98dBi＞6dBi. (Ant.1: 4.97dBi; Ant.2: 4.97dBi) For U-NII-1: 5180MHz-5240MHz
Directional Gain=7.98dBi＞6dBi. (Ant.1: 4.97dBi; Ant.2: 4.97dBi) For U-NII-2A: 5240MHz-5320MHz
Directional Gain=7.98dBi＞6dBi. (Ant.1: 4.97dBi; Ant.2: 4.97dBi) For U-NII-2C: 5500MHz-5720MHz
Directional Gain=7.98dBi＞6dBi. (Ant.1: 4.97dBi; Ant.2: 4.97dBi) For U-NII-3: 5745MHz-5825MHz
So $P_{out} = P_{limit}-(G_{TX}-6)]$=(23.98-1.98)dBm =22dBm For U-NII-1: 5180MHz-5240MHz
So $P_{out} = P_{limit}-(G_{TX}-6)]$=(23.98-1.98)dBm =22dBm For U-NII-2A: 5260MHz-5320MHz
So $P_{out} = P_{limit}-(G_{TX}-6)]$=(23.98-1.98)dBm =22dBm For U-NII-2C: 5500MHz-5720MHz
So $P_{out} = P_{limit}-(G_{TX}-6)]$=(30-1.98)dBm=28.02dBm For U-NII-3: 5745MHz-5825MHz

Directional Gain=ANT. Gain+10*LOG(NANT)

The Duty Cycle Factor is compensated in the graph.

6: Maximum power spectral density

6.1 Test Result

Test Mode	Ant.	Frequency [MHz]	RawData [dBm/3kHz]	DC Factory	Result [dBm/MHz] Result [dBm/500kHz]	Limit[dBm/MHz] Limit[dBm/500kHz]	Verdict
11A	Ant1	5180	5.13	1.12	6.25	≤11.00	PASS
11A	Ant1	5200	6.44	1.15	7.59	≤11.00	PASS
11A	Ant1	5240	6.01	1.17	7.18	≤11.00	PASS
11A	Ant1	5260	6.97	1.12	8.09	≤11.00	PASS
11A	Ant1	5280	7.06	1.15	8.21	≤11.00	PASS
11A	Ant1	5320	4.8	1.17	5.97	≤11.00	PASS
11A	Ant1	5500	3.66	1.15	4.81	≤11.00	PASS
11A	Ant1	5580	5.96	1.17	7.13	≤11.00	PASS
11A	Ant1	5700	2.73	1.17	3.90	≤11.00	PASS
11A	Ant1	5720_UNII-2C	3.12	1.15	4.27	≤11.00	PASS
11A	Ant1	5720_UNII-3	-2.83	1.15	-1.68	≤30.00	PASS
11A	Ant1	5745	2.62	1.15	3.77	≤30.00	PASS
11A	Ant1	5785	2.27	1.15	3.42	≤30.00	PASS
11A	Ant1	5825	1.51	1.15	2.66	≤30.00	PASS
11N20MIMO	Ant1	5180	3.16	2.23	5.39	≤11.00	PASS
11N20MIMO	Ant2	5180	2.48	2.23	4.71	≤11.00	PASS
11N20MIMO	**total**	**5180**	**---**	**---**	**8.07**	**≤9.02**	**PASS**
11N20MIMO	Ant1	5200	2.67	2.30	4.97	≤11.00	PASS
11N20MIMO	Ant2	5200	2.5	2.30	4.80	≤11.00	PASS
11N20MIMO	**total**	**5200**	**---**	**---**	**7.90**	**≤9.02**	**PASS**
11N20MIMO	Ant1	5240	2.65	2.30	4.95	≤11.00	PASS
11N20MIMO	Ant2	5240	2.21	2.30	4.51	≤11.00	PASS
11N20MIMO	**total**	**5240**	**---**	**---**	**7.75**	**≤9.02**	**PASS**
11N20MIMO	Ant1	5260	2.97	2.23	5.20	≤11.00	PASS
11N20MIMO	Ant2	5260	2.81	2.23	5.04	≤11.00	PASS
11N20MIMO	**total**	**5260**	**---**	**---**	**8.13**	**≤9.02**	**PASS**
11N20MIMO	Ant1	5280	1.82	2.30	4.12	≤11.00	PASS
11N20MIMO	Ant2	5280	2.51	2.30	4.81	≤11.00	PASS
11N20MIMO	**total**	**5280**	**---**	**---**	**7.49**	**≤9.02**	**PASS**
11N20MIMO	Ant1	5320	2.52	2.30	4.82	≤11.00	PASS
11N20MIMO	Ant2	5320	2.36	2.30	4.66	≤11.00	PASS
11N20MIMO	**total**	**5320**	**---**	**---**	**7.75**	**≤9.02**	**PASS**
11N20MIMO	Ant1	5500	1.6	2.23	3.83	≤11.00	PASS
11N20MIMO	Ant2	5500	0.11	2.23	2.34	≤11.00	PASS
11N20MIMO	**total**	**5500**	**---**	**---**	**6.16**	**≤9.02**	**PASS**
11N20MIMO	Ant1	5580	1.45	2.30	3.75	≤11.00	PASS
11N20MIMO	Ant2	5580	-0.68	2.30	1.62	≤11.00	PASS
11N20MIMO	**total**	**5580**	**---**	**---**	**5.82**	**≤9.02**	**PASS**
11N20MIMO	Ant1	5700	2.37	2.30	4.67	≤11.00	PASS
11N20MIMO	Ant2	5700	-1.51	2.30	0.79	≤11.00	PASS

11N20MIMO	**total**	**5700**	**---**	**---**	**6.16**	**≤9.02**	**PASS**
11N20MIMO	Ant1	5720_UNII-2C	2.28	2.30	4.58	≤11.00	PASS
11N20MIMO	Ant2	5720_UNII-2C	-1.58	2.30	0.72	≤11.00	PASS
11N20MIMO	**total**	**5720_UNII-2C**	**---**	**---**	**6.08**	**≤9.02**	**PASS**
11N20MIMO	Ant1	5720_UNII-3	-2.22	2.30	0.08	≤30.00	PASS
11N20MIMO	Ant2	5720_UNII-3	-5.6	2.30	-3.30	≤30.00	PASS
11N20MIMO	**total**	**5720_UNII-3**	**---**	**---**	**1.72**	**≤28.02**	**PASS**
11N20MIMO	Ant1	5745	0.19	2.30	2.49	≤30.00	PASS
11N20MIMO	Ant2	5745	0.04	2.23	2.27	≤30.00	PASS
11N20MIMO	**total**	**5745**	**---**	**---**	**5.39**	**≤28.02**	**PASS**
11N20MIMO	Ant1	5785	0.19	2.30	2.49	≤30.00	PASS
11N20MIMO	Ant2	5785	-0.62	2.30	1.68	≤30.00	PASS
11N20MIMO	**total**	**5785**	**---**	**---**	**5.11**	**≤28.02**	**PASS**
11N20MIMO	Ant1	5825	0.22	2.30	2.52	≤30.00	PASS
11N20MIMO	Ant2	5825	-0.83	2.28	1.45	≤30.00	PASS
11N20MIMO	**total**	**5825**	**---**	**---**	**5.03**	**≤28.02**	**PASS**
11N40MIMO	Ant1	5190	-4.08	3.76	-0.32	≤11.00	PASS
11N40MIMO	Ant2	5190	-4.45	3.66	-0.79	≤11.00	PASS
11N40MIMO	**total**	**5190**	**---**	**---**	**2.46**	**≤9.02**	**PASS**
11N40MIMO	Ant1	5230	-1.18	3.75	2.57	≤11.00	PASS
11N40MIMO	Ant2	5230	-2.36	3.71	1.35	≤11.00	PASS
11N40MIMO	**total**	**5230**	**---**	**---**	**5.01**	**≤9.02**	**PASS**
11N40MIMO	Ant1	5270	-3.32	3.72	0.40	≤11.00	PASS
11N40MIMO	Ant2	5270	-2.92	3.66	0.74	≤11.00	PASS
11N40MIMO	**total**	**5270**	**---**	**---**	**3.58**	**≤9.02**	**PASS**
11N40MIMO	Ant1	5310	-3.34	3.73	0.39	≤11.00	PASS
11N40MIMO	Ant2	5310	-3.61	3.75	0.14	≤11.00	PASS
11N40MIMO	**total**	**5310**	**---**	**---**	**3.28**	**≤9.02**	**PASS**
11N40MIMO	Ant1	5510	-4.49	3.66	-0.83	≤11.00	PASS
11N40MIMO	Ant2	5510	-5.6	3.66	-1.94	≤11.00	PASS
11N40MIMO	**total**	**5510**	**---**	**---**	**1.66**	**≤9.02**	**PASS**
11N40MIMO	Ant1	5550	-1.34	3.75	2.41	≤11.00	PASS
11N40MIMO	Ant2	5550	-4.26	3.75	-0.51	≤11.00	PASS
11N40MIMO	**total**	**5550**	**---**	**---**	**4.20**	**≤9.02**	**PASS**
11N40MIMO	Ant1	5670	-2.75	3.75	1.00	≤11.00	PASS
11N40MIMO	Ant2	5670	-6.37	3.73	-2.64	≤11.00	PASS
11N40MIMO	**total**	**5670**	**---**	**---**	**2.56**	**≤9.02**	**PASS**
11N40MIMO	Ant1	5710_UNII-2C	0.4	3.73	4.13	≤11.00	PASS
11N40MIMO	Ant2	5710_UNII-2C	-2.79	3.75	0.96	≤11.00	PASS
11N40MIMO	**total**	**5710_UNII-2C**	**---**	**---**	**5.84**	**≤9.02**	**PASS**
11N40MIMO	Ant1	5710_UNII-3	-6.8	3.73	-3.07	≤30.00	PASS
11N40MIMO	Ant2	5710_UNII-3	-9.5	3.75	-5.75	≤30.00	PASS
11N40MIMO	**total**	**5710_UNII-3**	**---**	**---**	**-1.20**	**≤28.02**	**PASS**
11N40MIMO	Ant1	5755	-4.22	3.72	-0.50	≤30.00	PASS
11N40MIMO	Ant2	5755	-5.26	3.66	-1.60	≤30.00	PASS

11N40MIMO	**total**	**5755**	**---**	**---**	**2.00**	**≤28.02**	**PASS**
11N40MIMO	Ant1	5795	-4.72	3.75	-0.97	≤30.00	PASS
11N40MIMO	Ant2	5795	-5.99	3.73	-2.26	≤30.00	PASS
11N40MIMO	**total**	**5795**	**---**	**---**	**1.44**	**≤28.02**	**PASS**
11AC20MIMO	Ant1	5180	1.75	0.33	2.08	≤11.00	PASS
11AC20MIMO	Ant2	5180	0.43	0.16	0.59	≤11.00	PASS
11AC20MIMO	**total**	**5180**	**---**	**---**	**4.41**	**≤9.02**	**PASS**
11AC20MIMO	Ant1	5200	3.26	0.04	3.30	≤11.00	PASS
11AC20MIMO	Ant2	5200	2.27	0.05	2.32	≤11.00	PASS
11AC20MIMO	**total**	**5200**	**---**	**---**	**5.85**	**≤9.02**	**PASS**
11AC20MIMO	Ant1	5240	2.81	0.04	2.85	≤11.00	PASS
11AC20MIMO	Ant2	5240	2.15	0.05	2.20	≤11.00	PASS
11AC20MIMO	**total**	**5240**	**---**	**---**	**5.55**	**≤9.02**	**PASS**
11AC20MIMO	Ant1	5260	2.52	0.03	2.55	≤11.00	PASS
11AC20MIMO	Ant2	5260	2.98	0.02	3.00	≤11.00	PASS
11AC20MIMO	**total**	**5260**	**---**	**---**	**5.79**	**≤9.02**	**PASS**
11AC20MIMO	Ant1	5280	2.31	0.05	2.36	≤11.00	PASS
11AC20MIMO	Ant2	5280	2.55	0.05	2.60	≤11.00	PASS
11AC20MIMO	**total**	**5280**	**---**	**---**	**5.49**	**≤9.02**	**PASS**
11AC20MIMO	Ant1	5320	2.28	0.35	2.63	≤11.00	PASS
11AC20MIMO	Ant2	5320	2.14	0.35	2.49	≤11.00	PASS
11AC20MIMO	**total**	**5320**	**---**	**---**	**5.57**	**≤9.02**	**PASS**
11AC20MIMO	Ant1	5500	1.53	0.16	1.69	≤11.00	PASS
11AC20MIMO	Ant2	5500	0.01	0.33	0.34	≤11.00	PASS
11AC20MIMO	**total**	**5500**	**---**	**---**	**4.08**	**≤9.02**	**PASS**
11AC20MIMO	Ant1	5580	1.29	0.35	1.64	≤11.00	PASS
11AC20MIMO	Ant2	5580	-1.05	0.35	-0.70	≤11.00	PASS
11AC20MIMO	**total**	**5580**	**---**	**---**	**3.64**	**≤9.02**	**PASS**
11AC20MIMO	Ant1	5700	4.03	0.35	4.38	≤11.00	PASS
11AC20MIMO	Ant2	5700	0.52	0.35	0.87	≤11.00	PASS
11AC20MIMO	**total**	**5700**	**---**	**---**	**5.98**	**≤9.02**	**PASS**
11AC20MIMO	Ant1	5720_UNII-2C	3.9	0.40	4.30	≤11.00	PASS
11AC20MIMO	Ant2	5720_UNII-2C	0.19	0.35	0.54	≤11.00	PASS
11AC20MIMO	**total**	**5720_UNII-2C**	**---**	**---**	**5.83**	**≤9.02**	**PASS**
11AC20MIMO	Ant1	5720_UNII-3	-0.63	0.40	-0.23	≤30.00	PASS
11AC20MIMO	Ant2	5720_UNII-3	-4.43	0.35	-4.08	≤30.00	PASS
11AC20MIMO	**total**	**5720_UNII-3**	**---**	**---**	**1.27**	**≤28.02**	**PASS**
11AC20MIMO	Ant1	5745	1.52	0.32	1.84	≤30.00	PASS
11AC20MIMO	Ant2	5745	0.64	0.33	0.97	≤30.00	PASS
11AC20MIMO	**total**	**5745**	**---**	**---**	**4.44**	**≤28.02**	**PASS**
11AC20MIMO	Ant1	5785	1.05	0.35	1.40	≤30.00	PASS
11AC20MIMO	Ant2	5785	1.8	0.40	2.20	≤30.00	PASS
11AC20MIMO	**total**	**5785**	**---**	**---**	**4.83**	**≤28.02**	**PASS**
11AC20MIMO	Ant1	5825	1.07	0.35	1.42	≤30.00	PASS
11AC20MIMO	Ant2	5825	2.29	0.40	2.69	≤30.00	PASS

11AC20MIMO	**total**	**5825**	**---**	**---**	**5.11**	**≤28.02**	**PASS**
11AC40MIMO	Ant1	5190	-2.65	0.62	-2.03	≤11.00	PASS
11AC40MIMO	Ant2	5190	-3.71	0.62	-3.09	≤11.00	PASS
11AC40MIMO	**total**	**5190**	**---**	**---**	**0.48**	**≤9.02**	**PASS**
11AC40MIMO	Ant1	5230	-0.83	0.08	-0.75	≤11.00	PASS
11AC40MIMO	Ant2	5230	-1.16	0.07	-1.09	≤11.00	PASS
11AC40MIMO	**total**	**5230**	**---**	**---**	**2.09**	**≤9.02**	**PASS**
11AC40MIMO	Ant1	5270	-1	0.07	-0.93	≤11.00	PASS
11AC40MIMO	Ant2	5270	-0.36	0.07	-0.29	≤11.00	PASS
11AC40MIMO	**total**	**5270**	**---**	**---**	**2.41**	**≤9.02**	**PASS**
11AC40MIMO	Ant1	5310	-2.71	0.08	-2.63	≤11.00	PASS
11AC40MIMO	Ant2	5310	-2.87	0.07	-2.80	≤11.00	PASS
11AC40MIMO	**total**	**5310**	**---**	**---**	**0.30**	**≤9.02**	**PASS**
11AC40MIMO	Ant1	5510	-3.87	0.30	-3.57	≤11.00	PASS
11AC40MIMO	Ant2	5510	-5.21	0.62	-4.59	≤11.00	PASS
11AC40MIMO	**total**	**5510**	**---**	**---**	**-1.04**	**≤9.02**	**PASS**
11AC40MIMO	Ant1	5550	-2.11	0.74	-1.37	≤11.00	PASS
11AC40MIMO	Ant2	5550	-4.38	0.74	-3.64	≤11.00	PASS
11AC40MIMO	**total**	**5550**	**---**	**---**	**0.65**	**≤9.02**	**PASS**
11AC40MIMO	Ant1	5670	-2.52	0.64	-1.88	≤11.00	PASS
11AC40MIMO	Ant2	5670	-6.51	0.66	-5.85	≤11.00	PASS
11AC40MIMO	**total**	**5670**	**---**	**---**	**-0.42**	**≤9.02**	**PASS**
11AC40MIMO	Ant1	5710_UNII-2C	-2.96	0.74	-2.22	≤11.00	PASS
11AC40MIMO	Ant2	5710_UNII-2C	-6.89	0.66	-6.23	≤11.00	PASS
11AC40MIMO	**total**	**5710_UNII-2C**	**---**	**---**	**-0.77**	**≤9.02**	**PASS**
11AC40MIMO	Ant1	5710_UNII-3	-8.78	0.74	-8.04	≤30.00	PASS
11AC40MIMO	Ant2	5710_UNII-3	-12.72	0.66	-12.06	≤30.00	PASS
11AC40MIMO	**total**	**5710_UNII-3**	**---**	**---**	**-6.59**	**≤28.02**	**PASS**
11AC40MIMO	Ant1	5755	-2.22	0.07	-2.15	≤30.00	PASS
11AC40MIMO	Ant2	5755	-2.97	0.03	-2.94	≤30.00	PASS
11AC40MIMO	**total**	**5755**	**---**	**---**	**0.48**	**≤28.02**	**PASS**
11AC40MIMO	Ant1	5795	-1.82	0.07	-1.75	≤30.00	PASS
11AC40MIMO	Ant2	5795	-1.86	0.07	-1.79	≤30.00	PASS
11AC40MIMO	**total**	**5795**	**---**	**---**	**1.24**	**≤28.02**	**PASS**
11AC80MIMO	Ant1	5210	-6.3	0.07	-6.23	≤11.00	PASS
11AC80MIMO	Ant2	5210	-6.91	0.07	-6.84	≤11.00	PASS
11AC80MIMO	**total**	**5210**	**---**	**---**	**-3.51**	**≤9.02**	**PASS**
11AC80MIMO	Ant1	5290	-5.98	0.14	-5.84	≤11.00	PASS
11AC80MIMO	Ant2	5290	-5.96	0.14	-5.82	≤11.00	PASS
11AC80MIMO	**total**	**5290**	**---**	**---**	**-2.82**	**≤9.02**	**PASS**
11AC80MIMO	Ant1	5530	-7.55	0.14	-7.41	≤11.00	PASS
11AC80MIMO	Ant2	5530	-8.87	0.07	-8.80	≤11.00	PASS
11AC80MIMO	**total**	**5530**	**---**	**---**	**-5.04**	**≤9.02**	**PASS**
11AC80MIMO	Ant1	5610	-7.23	0.15	-7.08	≤11.00	PASS
11AC80MIMO	Ant2	5610	-10.35	0.15	-10.20	≤11.00	PASS

11AC80MIMO	**total**	**5610**	**---**	**---**	**-5.36**	**≤9.02**	**PASS**
11AC80MIMO	Ant1	5690_UNII-2C	-7.87	0.15	-7.72	≤11.00	PASS
11AC80MIMO	Ant2	5690_UNII-2C	-11.61	0.15	-11.46	≤11.00	PASS
11AC80MIMO	**total**	**5690_UNII-2C**	**---**	**---**	**-6.19**	**≤9.02**	**PASS**
11AC80MIMO	Ant1	5690_UNII-3	-13.87	0.15	-13.72	≤30.00	PASS
11AC80MIMO	Ant2	5690_UNII-3	-17.82	0.15	-17.67	≤30.00	PASS
11AC80MIMO	**total**	**5690_UNII-3**	**---**	**---**	**-12.25**	**≤28.02**	**PASS**
11AC80MIMO	Ant1	5775	-4.75	0.14	-4.61	≤30.00	PASS
11AC80MIMO	Ant2	5775	-5.27	0.07	-5.20	≤30.00	PASS
11AC80MIMO	**total**	**5775**	**---**	**---**	**-1.88**	**≤28.02**	**PASS**
11AX20MIMO	Ant1	5180	1.33	0.39	1.72	≤11.00	PASS
11AX20MIMO	Ant2	5180	0.01	0.39	0.40	≤11.00	PASS
11AX20MIMO	**total**	**5180**	**---**	**---**	**4.12**	**≤9.02**	**PASS**
11AX20MIMO	Ant1	5200	0.6	0.41	1.01	≤11.00	PASS
11AX20MIMO	Ant2	5200	0.04	0.41	0.45	≤11.00	PASS
11AX20MIMO	**total**	**5200**	**---**	**---**	**3.75**	**≤9.02**	**PASS**
11AX20MIMO	Ant1	5240	0.69	0.39	1.08	≤11.00	PASS
11AX20MIMO	Ant2	5240	0.02	0.39	0.41	≤11.00	PASS
11AX20MIMO	**total**	**5240**	**---**	**---**	**3.77**	**≤9.02**	**PASS**
11AX20MIMO	Ant1	5260	0.41	0.38	0.79	≤11.00	PASS
11AX20MIMO	Ant2	5260	0.99	0.37	1.36	≤11.00	PASS
11AX20MIMO	**total**	**5260**	**---**	**---**	**4.09**	**≤9.02**	**PASS**
11AX20MIMO	Ant1	5280	0.68	0.39	1.07	≤11.00	PASS
11AX20MIMO	Ant2	5280	0.3	0.39	0.69	≤11.00	PASS
11AX20MIMO	**total**	**5280**	**---**	**---**	**3.89**	**≤9.02**	**PASS**
11AX20MIMO	Ant1	5320	0.39	0.39	0.78	≤11.00	PASS
11AX20MIMO	Ant2	5320	0.54	0.39	0.93	≤11.00	PASS
11AX20MIMO	**total**	**5320**	**---**	**---**	**3.87**	**≤9.02**	**PASS**
11AX20MIMO	Ant1	5500	-0.61	0.38	-0.23	≤11.00	PASS
11AX20MIMO	Ant2	5500	-1.8	0.37	-1.43	≤11.00	PASS
11AX20MIMO	**total**	**5500**	**---**	**---**	**2.22**	**≤9.02**	**PASS**
11AX20MIMO	Ant1	5580	-0.3	0.39	0.09	≤11.00	PASS
11AX20MIMO	Ant2	5580	-3	0.39	-2.61	≤11.00	PASS
11AX20MIMO	**total**	**5580**	**---**	**---**	**1.96**	**≤9.02**	**PASS**
11AX20MIMO	Ant1	5700	-1.14	0.39	-0.75	≤11.00	PASS
11AX20MIMO	Ant2	5700	-5.78	0.39	-5.39	≤11.00	PASS
11AX20MIMO	**total**	**5700**	**---**	**---**	**0.53**	**≤9.02**	**PASS**
11AX20MIMO	Ant1	5720_UNII-2C	-1.61	0.39	-1.22	≤11.00	PASS
11AX20MIMO	Ant2	5720_UNII-2C	-5.95	0.39	-5.56	≤11.00	PASS
11AX20MIMO	**total**	**5720_UNII-2C**	**---**	**---**	**0.14**	**≤9.02**	**PASS**
11AX20MIMO	Ant1	5720_UNII-3	-6.11	0.39	-5.72	≤30.00	PASS
11AX20MIMO	Ant2	5720_UNII-3	-10.73	0.39	-10.34	≤30.00	PASS
11AX20MIMO	**total**	**5720_UNII-3**	**---**	**---**	**-4.43**	**≤28.02**	**PASS**
11AX20MIMO	Ant1	5745	-0.09	3.42	3.33	≤30.00	PASS
11AX20MIMO	Ant2	5745	-0.44	3.42	2.98	≤30.00	PASS

11AX20MIMO	**total**	**5745**	**---**	**---**	**6.17**	**≤28.02**	**PASS**
11AX20MIMO	Ant1	5785	-0.4	3.44	3.04	≤30.00	PASS
11AX20MIMO	Ant2	5785	-1.01	3.44	2.43	≤30.00	PASS
11AX20MIMO	**total**	**5785**	**---**	**---**	**5.76**	**≤28.02**	**PASS**
11AX20MIMO	Ant1	5825	-0.32	3.44	3.12	≤30.00	PASS
11AX20MIMO	Ant2	5825	-0.77	3.44	2.67	≤30.00	PASS
11AX20MIMO	**total**	**5825**	**---**	**---**	**5.91**	**≤28.02**	**PASS**
11AX40MIMO	Ant1	5190	-3.07	0.03	-3.04	≤11.00	PASS
11AX40MIMO	Ant2	5190	-4.24	0.03	-4.21	≤11.00	PASS
11AX40MIMO	**total**	**5190**	**---**	**---**	**-0.58**	**≤9.02**	**PASS**
11AX40MIMO	Ant1	5230	-0.29	0.07	-0.22	≤11.00	PASS
11AX40MIMO	Ant2	5230	-0.91	0.07	-0.84	≤11.00	PASS
11AX40MIMO	**total**	**5230**	**---**	**---**	**2.49**	**≤9.02**	**PASS**
11AX40MIMO	Ant1	5270	-0.67	0.03	-0.64	≤11.00	PASS
11AX40MIMO	Ant2	5270	-0.07	0.03	-0.04	≤11.00	PASS
11AX40MIMO	**total**	**5270**	**---**	**---**	**2.68**	**≤9.02**	**PASS**
11AX40MIMO	Ant1	5310	-2.57	0.08	-2.49	≤11.00	PASS
11AX40MIMO	Ant2	5310	-2.31	0.08	-2.23	≤11.00	PASS
11AX40MIMO	**total**	**5310**	**---**	**---**	**0.65**	**≤9.02**	**PASS**
11AX40MIMO	Ant1	5510	-3.64	0.03	-3.61	≤11.00	PASS
11AX40MIMO	Ant2	5510	-4.4	0.07	-4.33	≤11.00	PASS
11AX40MIMO	**total**	**5510**	**---**	**---**	**-0.94**	**≤9.02**	**PASS**
11AX40MIMO	Ant1	5550	-3.62	0.07	-3.55	≤11.00	PASS
11AX40MIMO	Ant2	5550	-5.01	0.08	-4.93	≤11.00	PASS
11AX40MIMO	**total**	**5550**	**---**	**---**	**-1.18**	**≤9.02**	**PASS**
11AX40MIMO	Ant1	5670	-3.89	0.07	-3.82	≤11.00	PASS
11AX40MIMO	Ant2	5670	-6.93	0.07	-6.86	≤11.00	PASS
11AX40MIMO	**total**	**5670**	**---**	**---**	**-2.07**	**≤9.02**	**PASS**
11AX40MIMO	Ant1	5710_UNII-2C	-2.39	0.07	-2.32	≤11.00	PASS
11AX40MIMO	Ant2	5710_UNII-2C	-5.13	0.07	-5.06	≤11.00	PASS
11AX40MIMO	**total**	**5710_UNII-2C**	**---**	**---**	**-0.47**	**≤9.02**	**PASS**
11AX40MIMO	Ant1	5710_UNII-3	-8.39	0.07	-8.32	≤30.00	PASS
11AX40MIMO	Ant2	5710_UNII-3	-11.21	0.07	-11.14	≤30.00	PASS
11AX40MIMO	**total**	**5710_UNII-3**	**---**	**---**	**-6.49**	**≤28.02**	**PASS**
11AX40MIMO	Ant1	5755	-2.06	0.75	-1.31	≤30.00	PASS
11AX40MIMO	Ant2	5755	-2.73	0.72	-2.01	≤30.00	PASS
11AX40MIMO	**total**	**5755**	**---**	**---**	**1.36**	**≤28.02**	**PASS**
11AX40MIMO	Ant1	5795	-2.03	0.72	-1.31	≤30.00	PASS
11AX40MIMO	Ant2	5795	-2.64	0.74	-1.90	≤30.00	PASS
11AX40MIMO	**total**	**5795**	**---**	**---**	**1.42**	**≤28.02**	**PASS**
11AX80MIMO	Ant1	5210	-6.16	0.14	-6.02	≤11.00	PASS
11AX80MIMO	Ant2	5210	-6.67	0.14	-6.53	≤11.00	PASS
11AX80MIMO	**total**	**5210**	**---**	**---**	**-3.26**	**≤9.02**	**PASS**
11AX80MIMO	Ant1	5290	-5.37	0.07	-5.30	≤11.00	PASS
11AX80MIMO	Ant2	5290	-5.52	0.14	-5.38	≤11.00	PASS

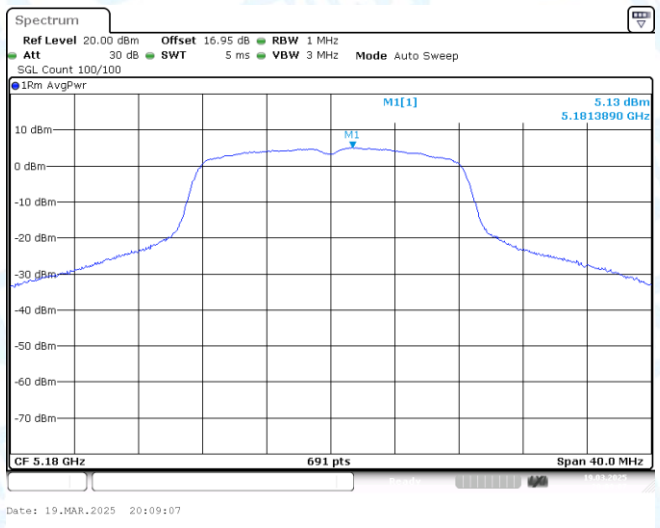
11AX80MIMO	**total**	**5290**	**---**	**---**	**-2.33**	**≤9.02**	**PASS**
11AX80MIMO	Ant1	5530	-6.59	0.14	-6.45	≤11.00	PASS
11AX80MIMO	Ant2	5530	-7.71	0.07	-7.64	≤11.00	PASS
11AX80MIMO	**total**	**5530**	**---**	**---**	**-3.99**	**≤9.02**	**PASS**
11AX80MIMO	Ant1	5610	-6.77	0.17	-6.60	≤11.00	PASS
11AX80MIMO	Ant2	5610	-8.92	0.15	-8.77	≤11.00	PASS
11AX80MIMO	**total**	**5610**	**---**	**---**	**-4.54**	**≤9.02**	**PASS**
11AX80MIMO	Ant1	5690_UNII-2C	-7.19	0.15	-7.04	≤11.00	PASS
11AX80MIMO	Ant2	5690_UNII-2C	-10.08	0.17	-9.91	≤11.00	PASS
11AX80MIMO	**total**	**5690_UNII-2C**	**---**	**---**	**-5.23**	**≤9.02**	**PASS**
11AX80MIMO	Ant1	5690_UNII-3	-13.1	0.15	-12.95	≤30.00	PASS
11AX80MIMO	Ant2	5690_UNII-3	-16.18	0.17	-16.01	≤30.00	PASS
11AX80MIMO	**total**	**5690_UNII-3**	**---**	**---**	**-11.21**	**≤28.02**	**PASS**
11AX80MIMO	Ant1	5775	-5.45	1.36	-4.09	≤30.00	PASS
11AX80MIMO	Ant2	5775	-6.18	1.33	-4.85	≤30.00	PASS
11AX80MIMO	**total**	**5775**	**---**	**---**	**-1.44**	**≤28.02**	**PASS**

Note： The EUT incorporates a MIMO function. Physically, the EUT provides two antennas for transmitting and receiving.
When ANT.1 and ANT. 2 transmitting simultaneously, and the
Directional Gain=7.98dBi＞6dBi. (Ant.1:4.97dBi; Ant.2:4.97dBi) For U-NII-1: 5180MHz-5240MHz
Directional Gain=7.98dBi＞6dBi. (Ant.1:4.97dBi; Ant.2:4.97dBi) For U-NII-2A: 5240MHz-5320MHz
Directional Gain=7.98dBi＞6dBi. (Ant.1:4.97dBi; Ant.2:4.97dBi) For U-NII-2C: 5500MHz-5720MHz
Directional Gain=7.98dBi＞6dBi. (Ant.1:4.97dBi; Ant.2:4.97dBi) For U-NII-3: 5745MHz-5825MHz
So $PSD_{out} = PSD_{limit}-(G_{TX}-6)]$=(11-1.98)dBm/MHz =9.02dBm/MHz For U-NII-1: 5180MHz-5240MHz
So $PSD_{out} = PSD_{limit}-(G_{TX}-6)]$=(11-1.98)dBm/MHz =9.02dBm/MHz For U-NII-2A: 5260MHz-5320MHz
So $PSD_{out} = PSD_{limit}-(G_{TX}-6)]$=(11-1.98)dBm/MHz=9.02dBm/MHz For U-NII-2C: 5500MHz-5720MHz
So $PSD_{out} = PSD_{limit}-(G_{TX}-6)]$=(30-1.98)dBm/500kHz=28.02dBm/500kHz For U-NII-3: 5745MHz-5825MHz

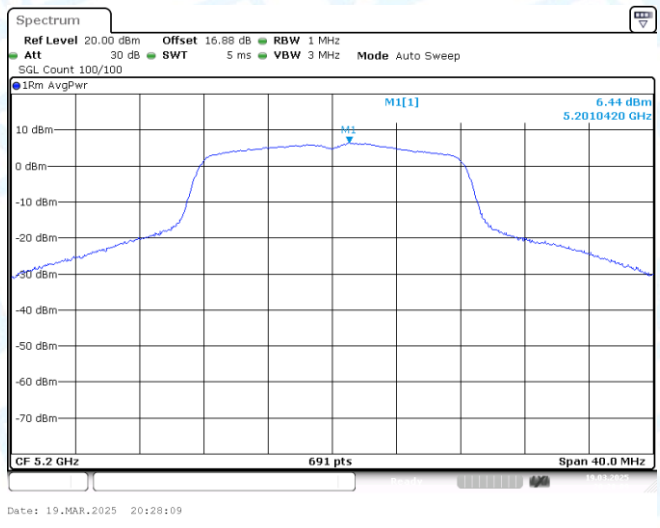
Directional Gain=ANT. Gain+10*LOG(NANT)

The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

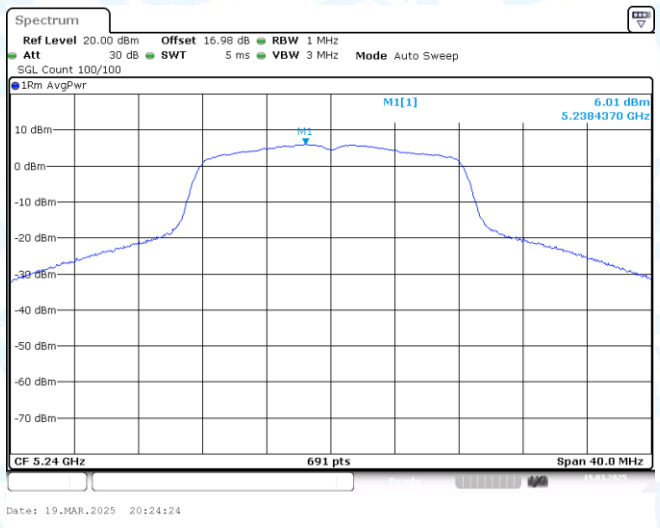
6.2 Test Graphs



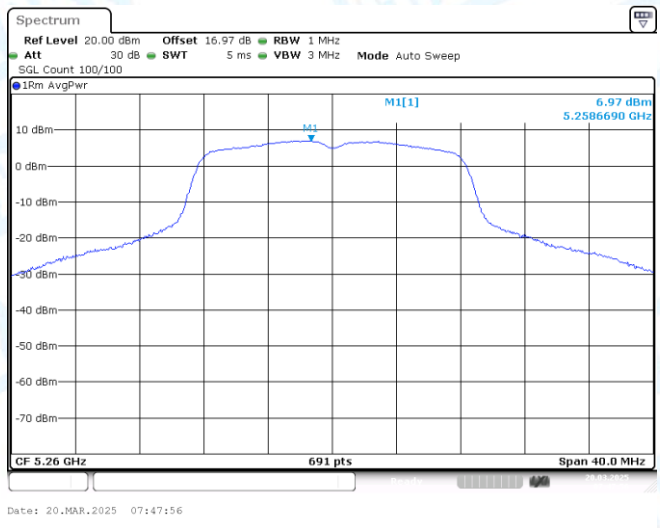
11A-Ant1-5180-PASS



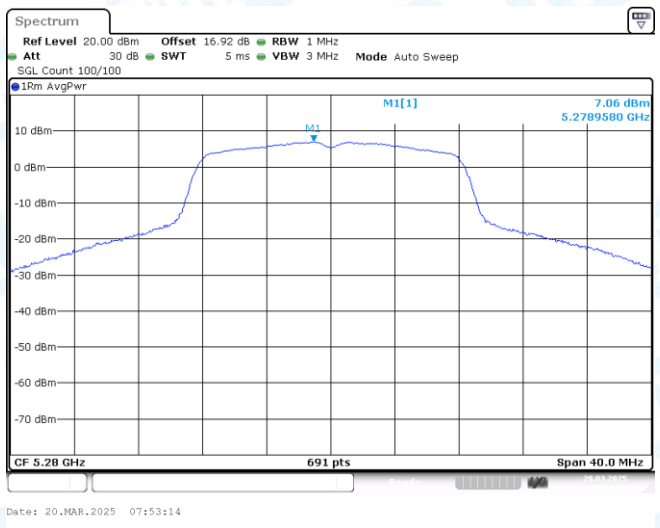
11A-Ant1-5200-PASS



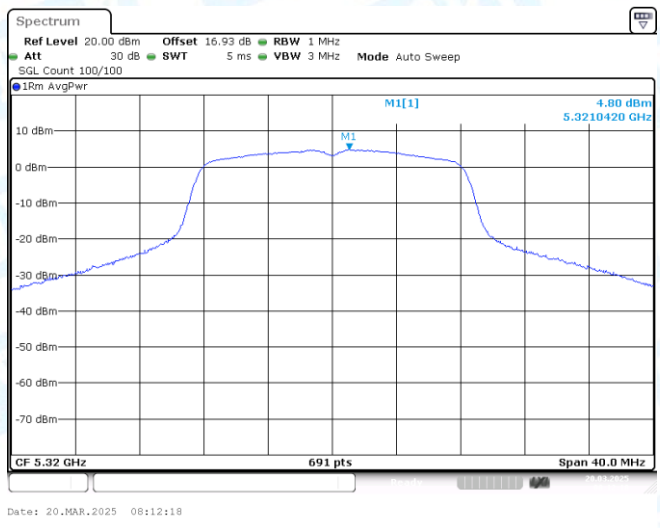
11A-Ant1-5240-PASS



11A-Ant1-5260-PASS



11A-Ant1-5280-PASS



11A-Ant1-5320-PASS