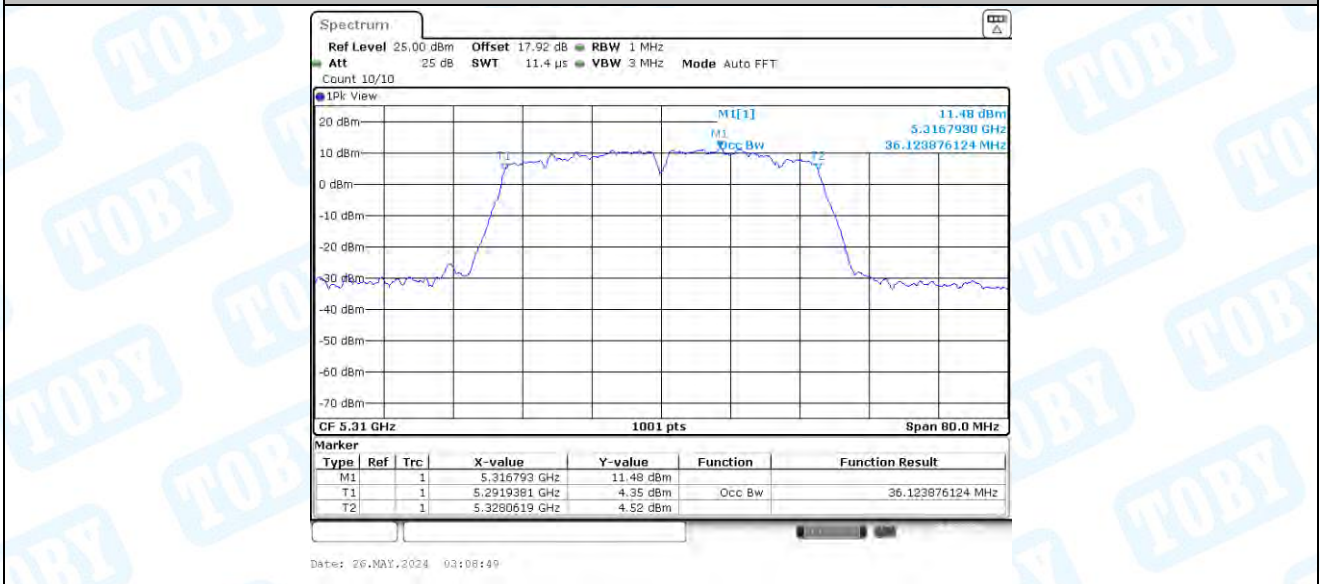
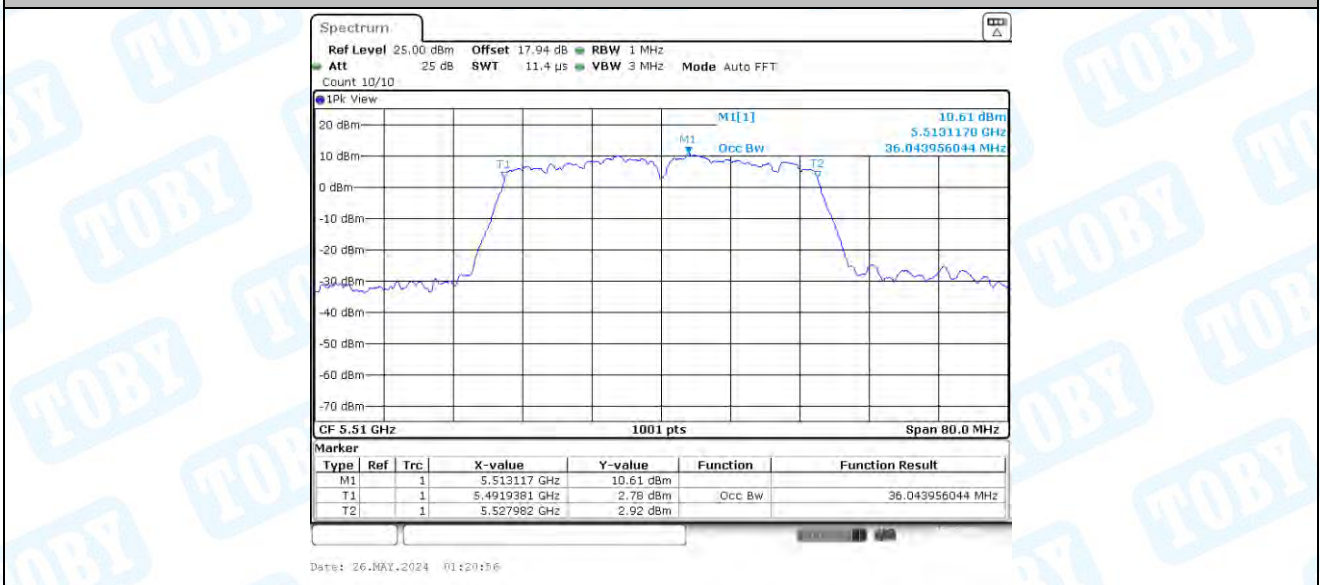


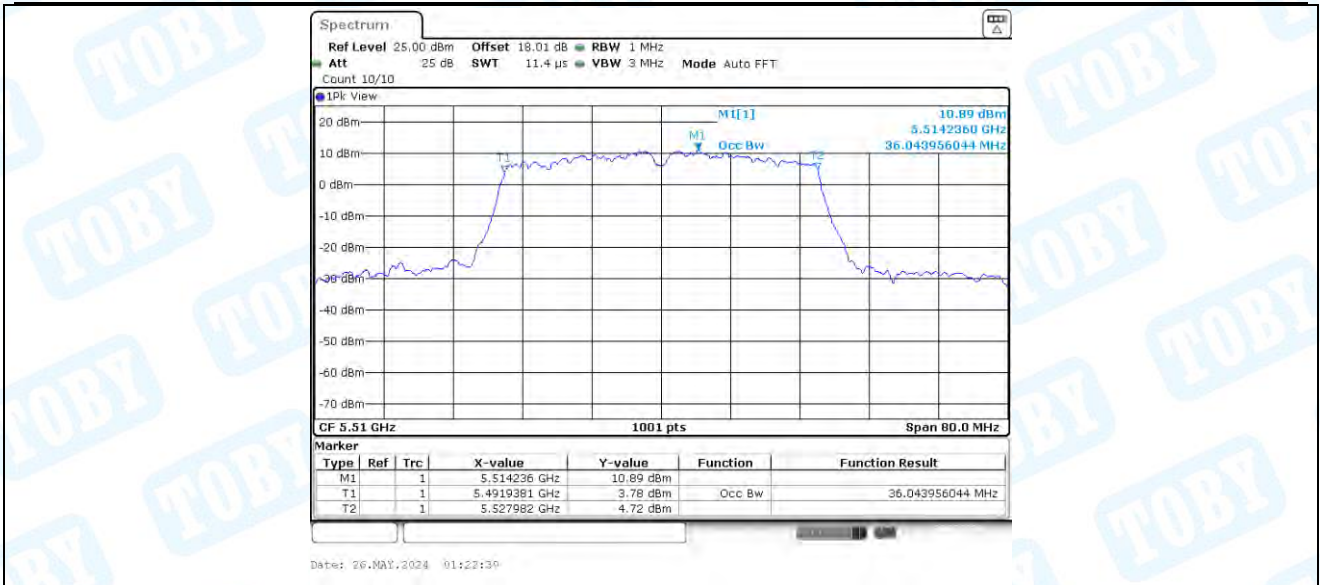
11N40MIMO_Ant2_5310



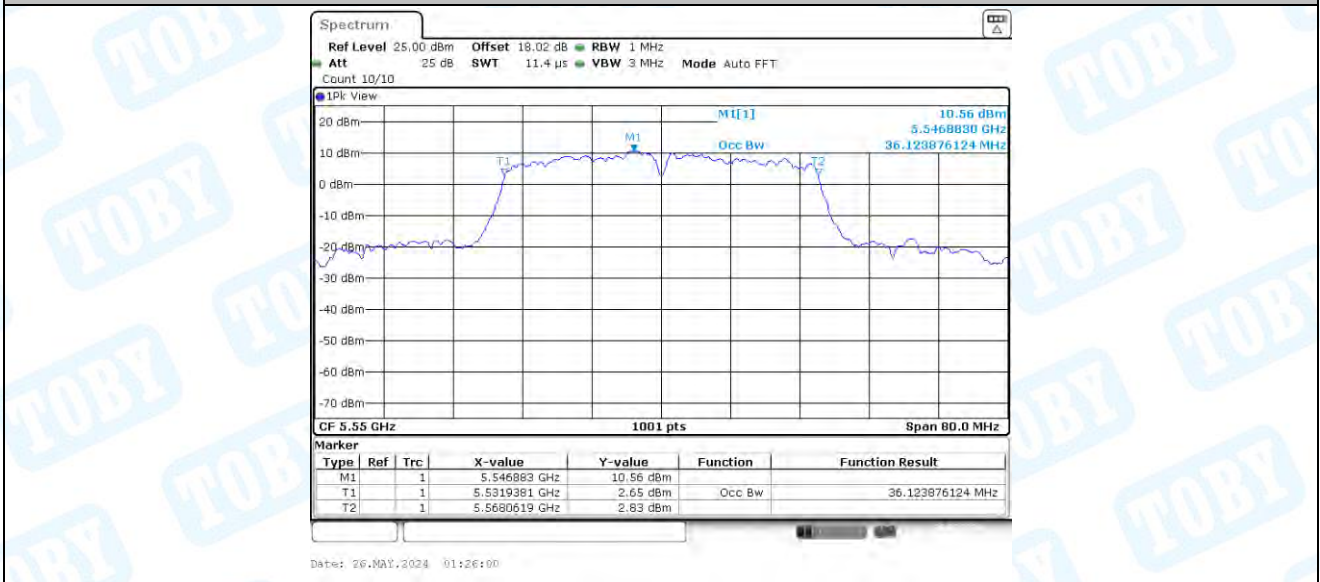
11N40MIMO_Ant1_5510



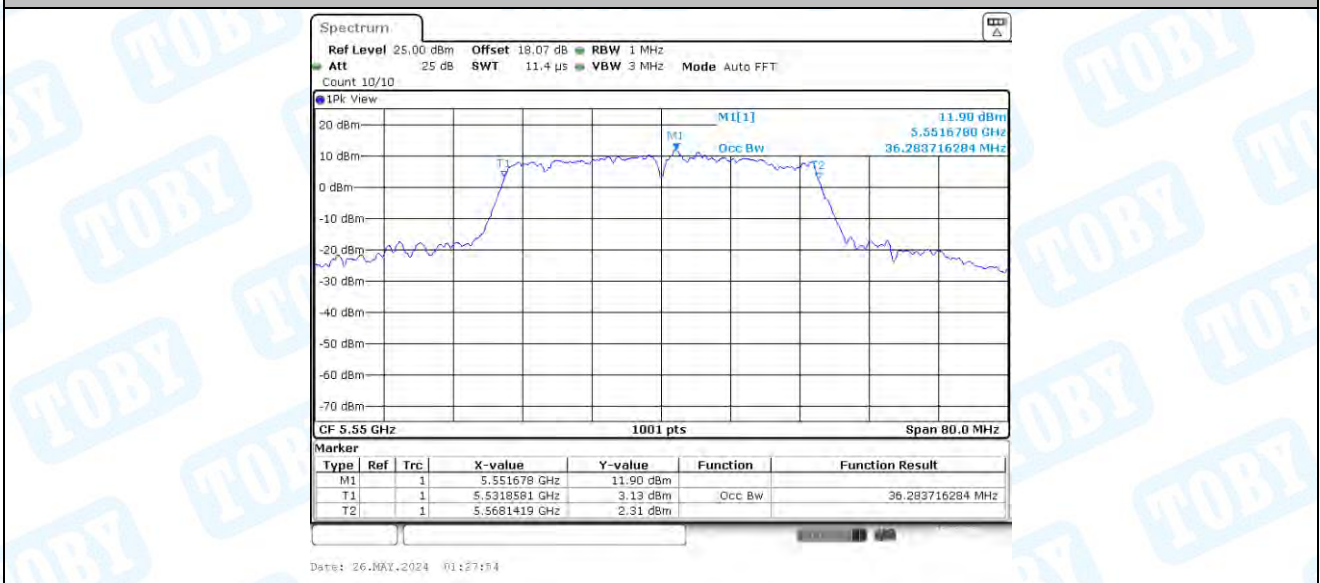
11N40MIMO_Ant2_5510



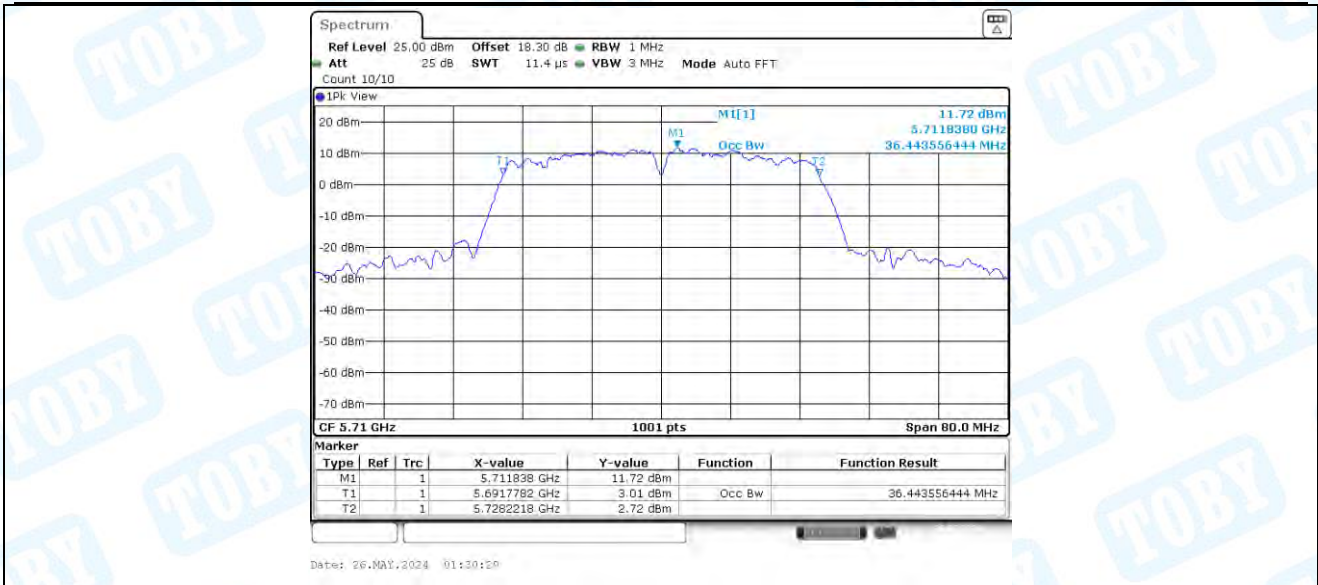
11N40MIMO_Ant1_5550



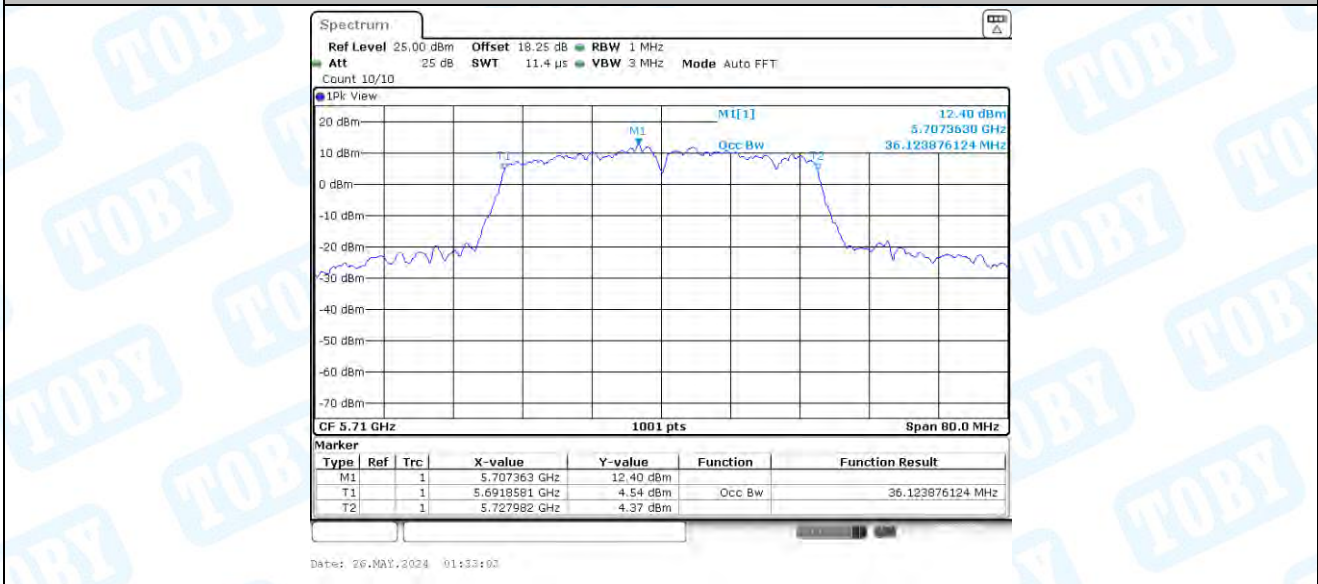
11N40MIMO_Ant2_5550



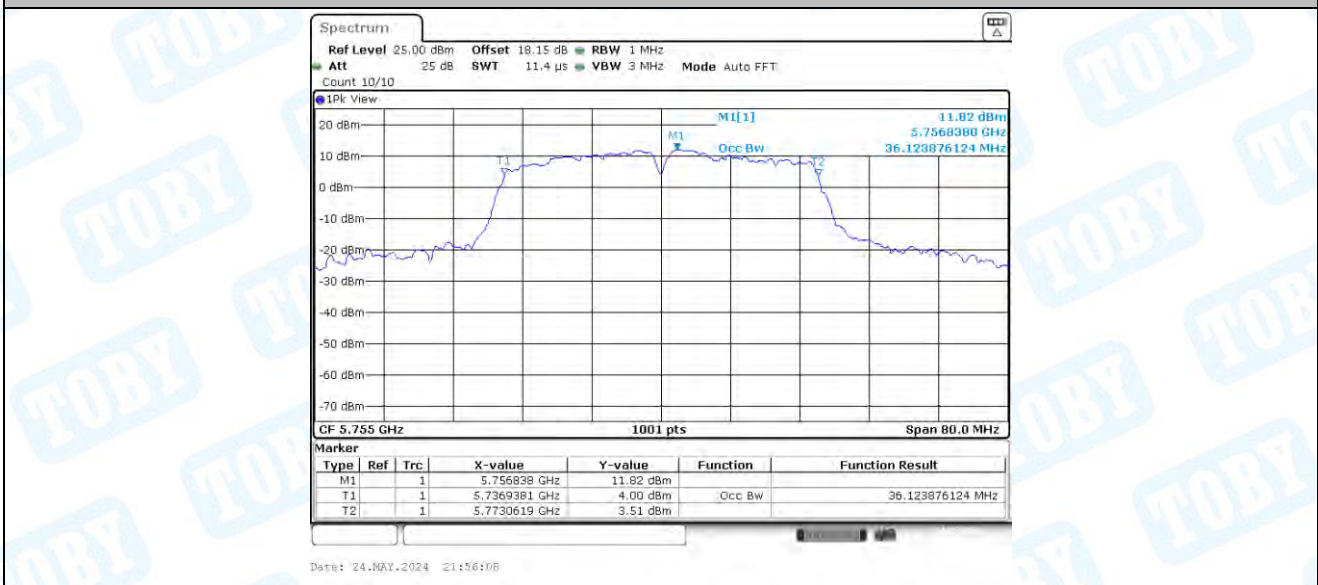
11N40MIMO_Ant1_5710



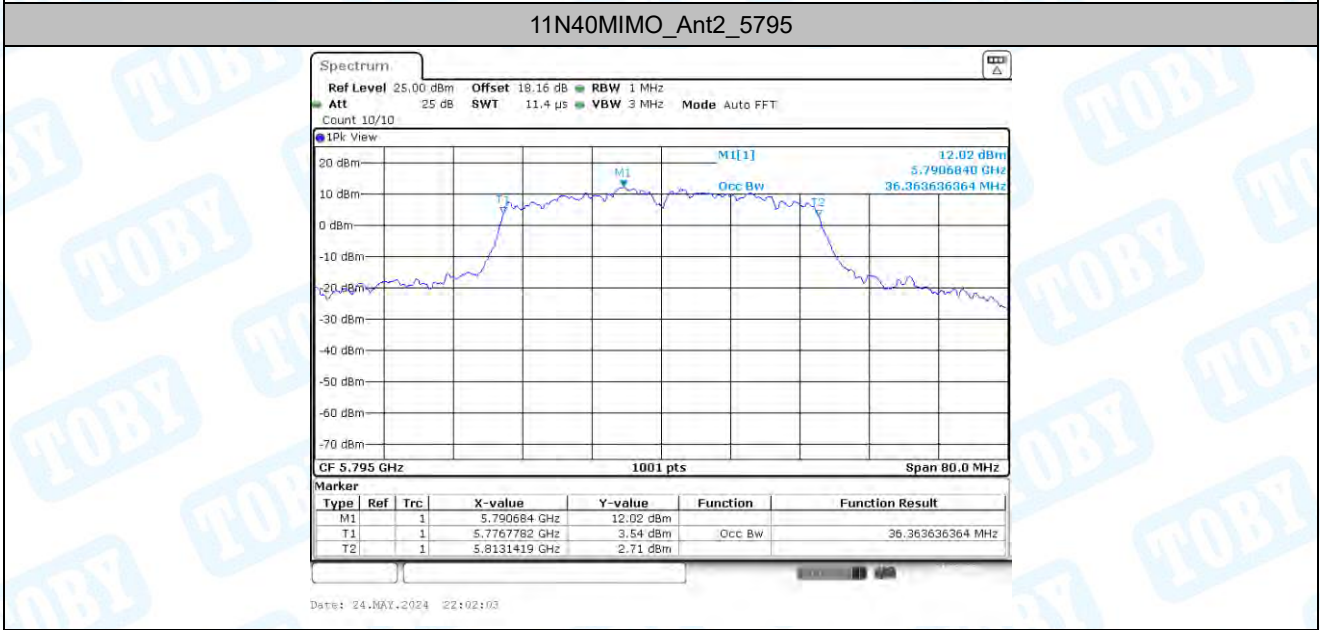
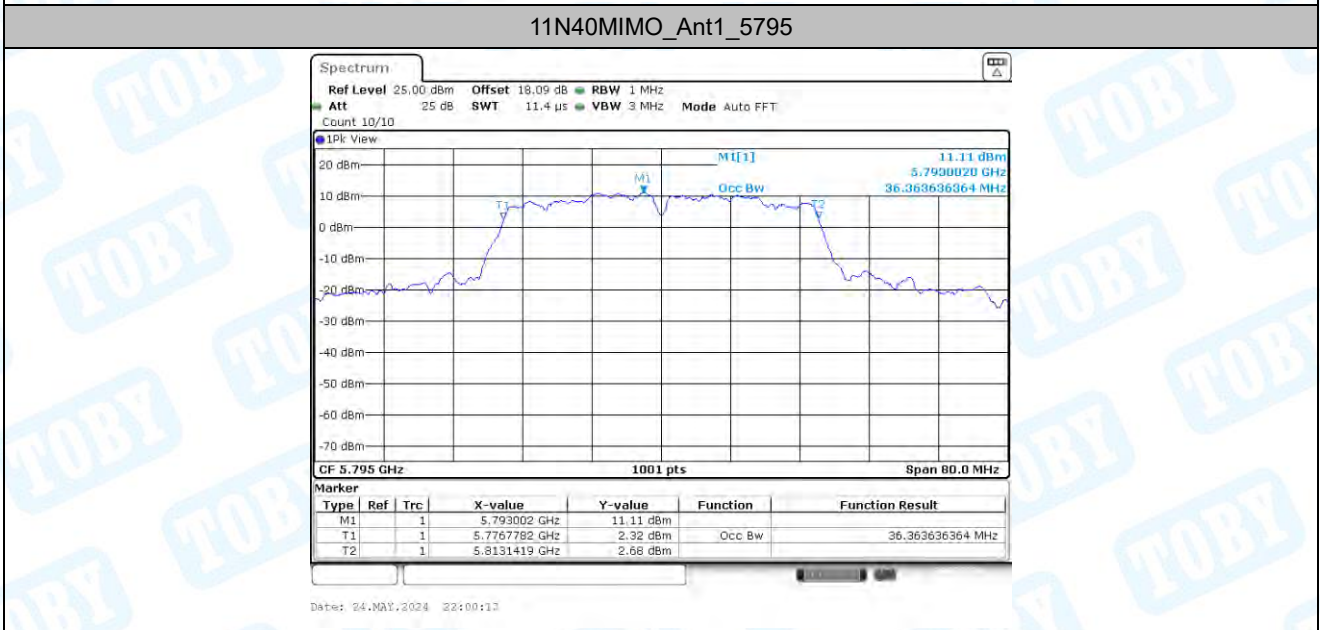
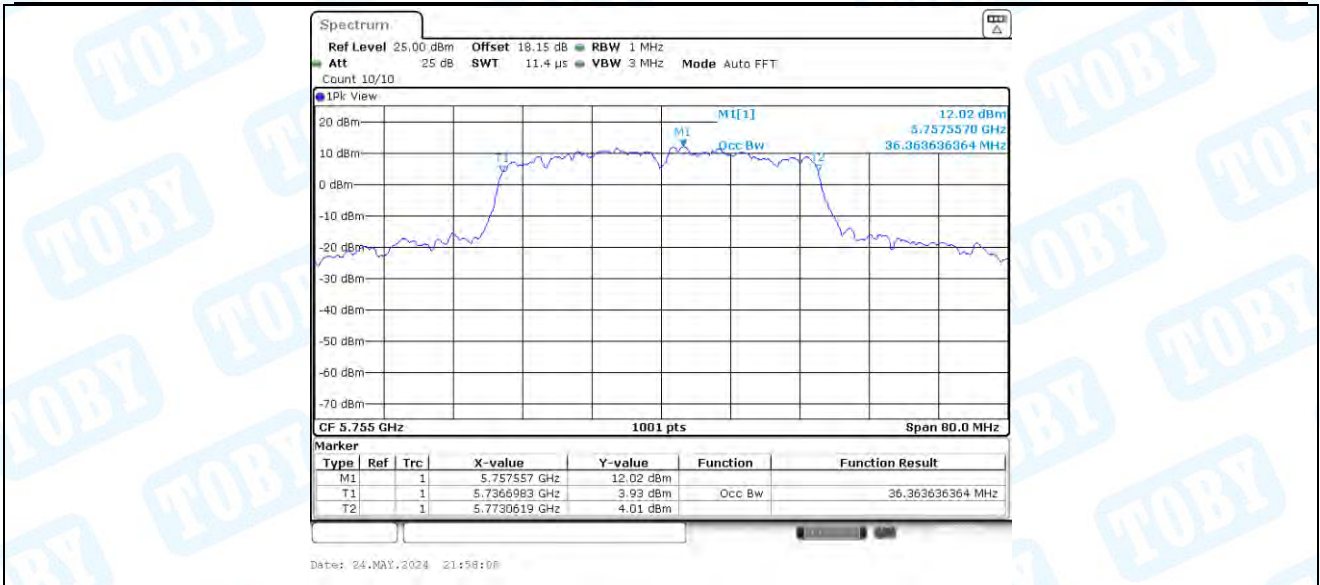
11N40MIMO_Ant2_5710



11N40MIMO_Ant1_5755



11N40MIMO_Ant2_5755

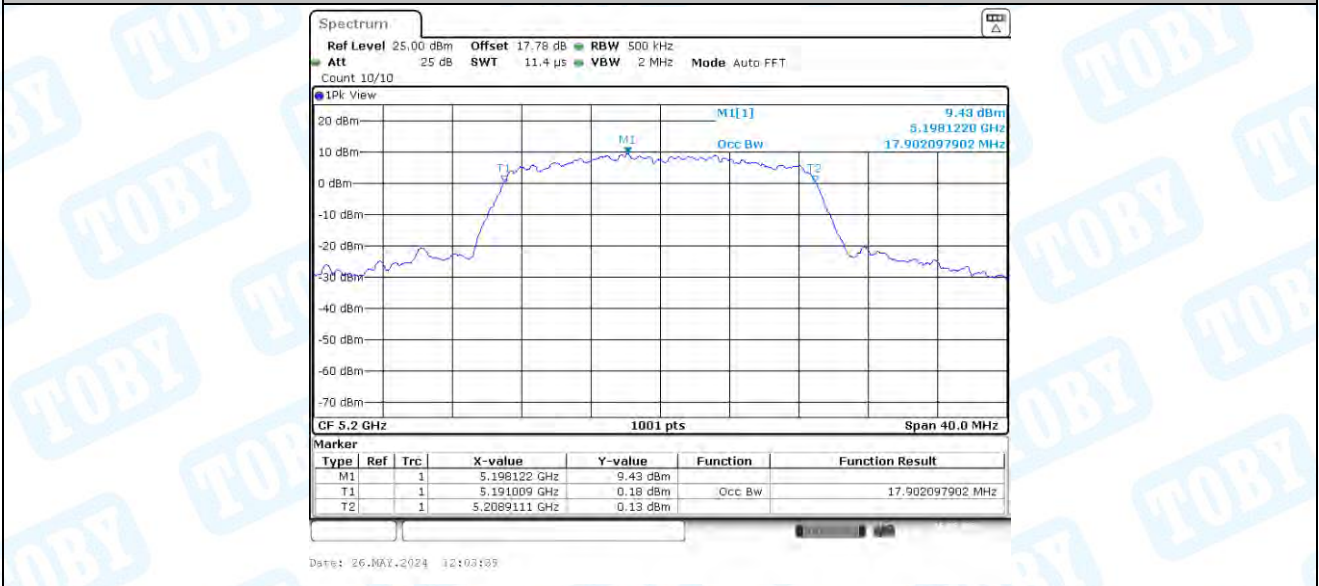




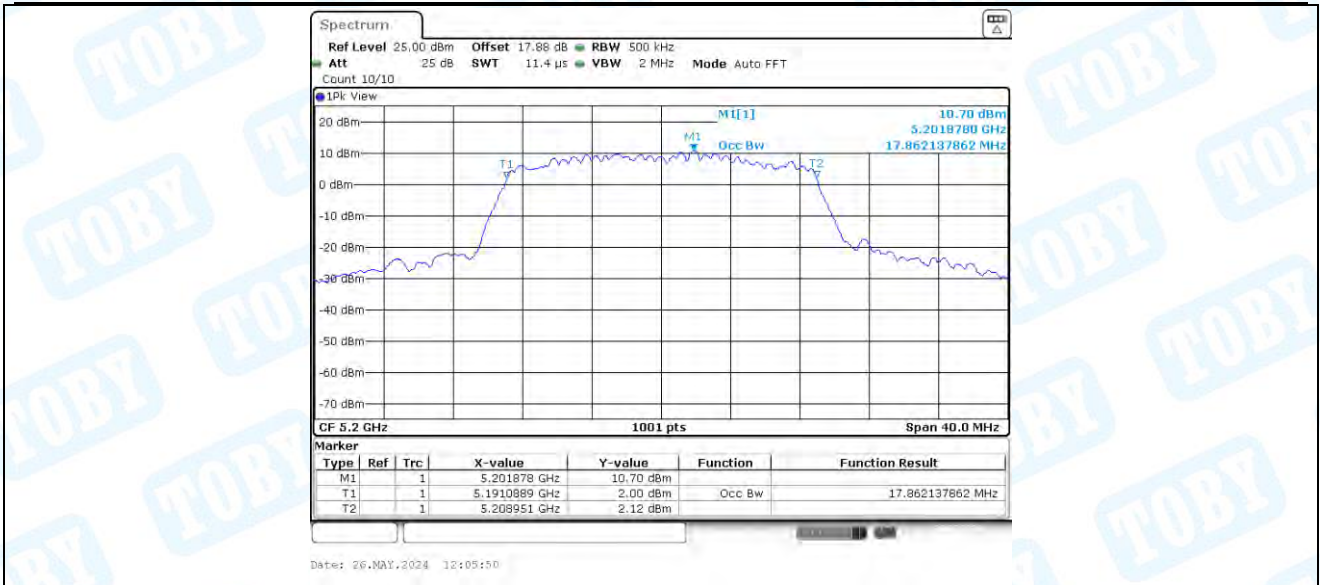
11AC20MIMO_Ant2_5180



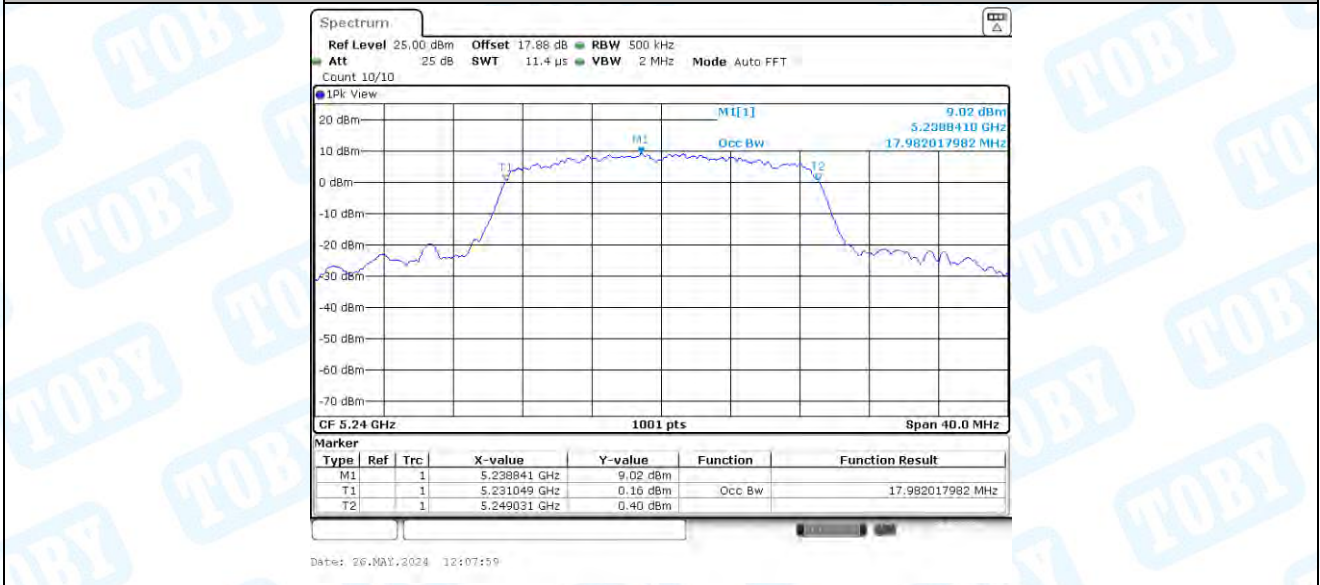
11AC20MIMO_Ant1_5200



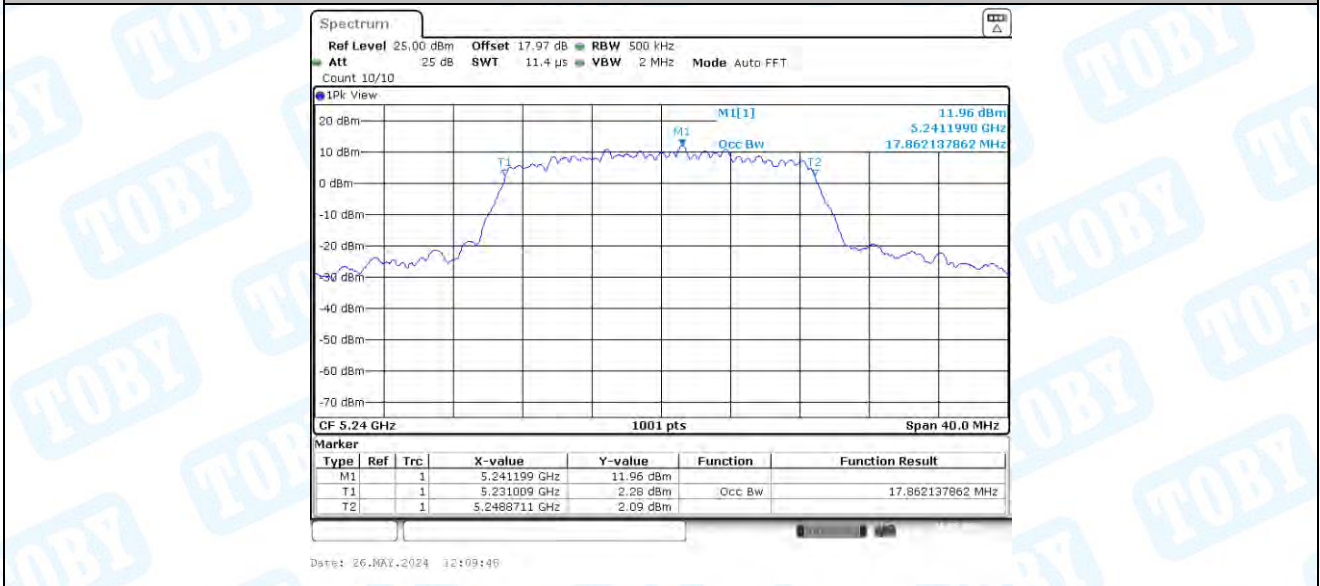
11AC20MIMO_Ant2_5200



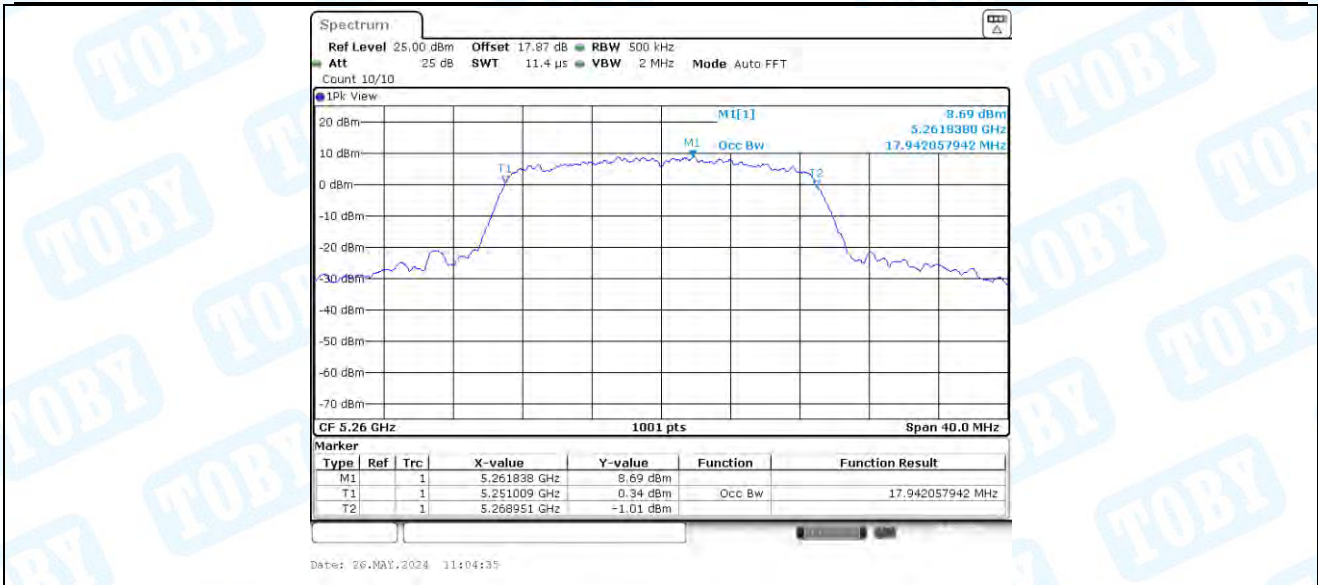
11AC20MIMO_Ant1_5240



11AC20MIMO_Ant2_5240



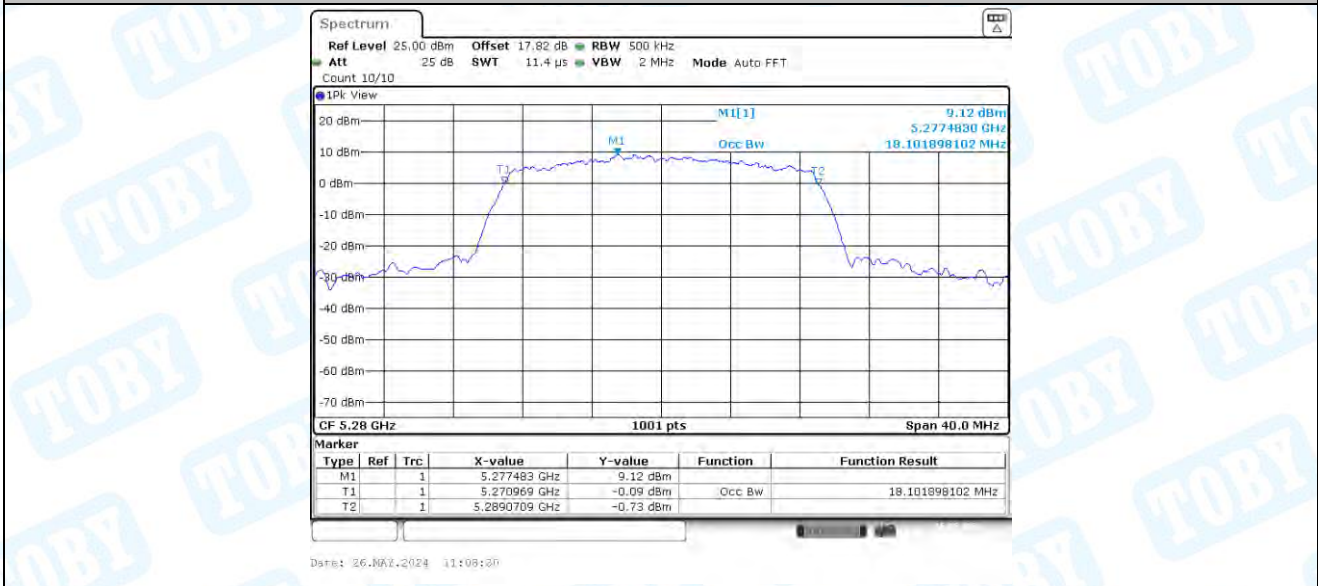
11AC20MIMO_Ant1_5260



11AC20MIMO_Ant2_5260



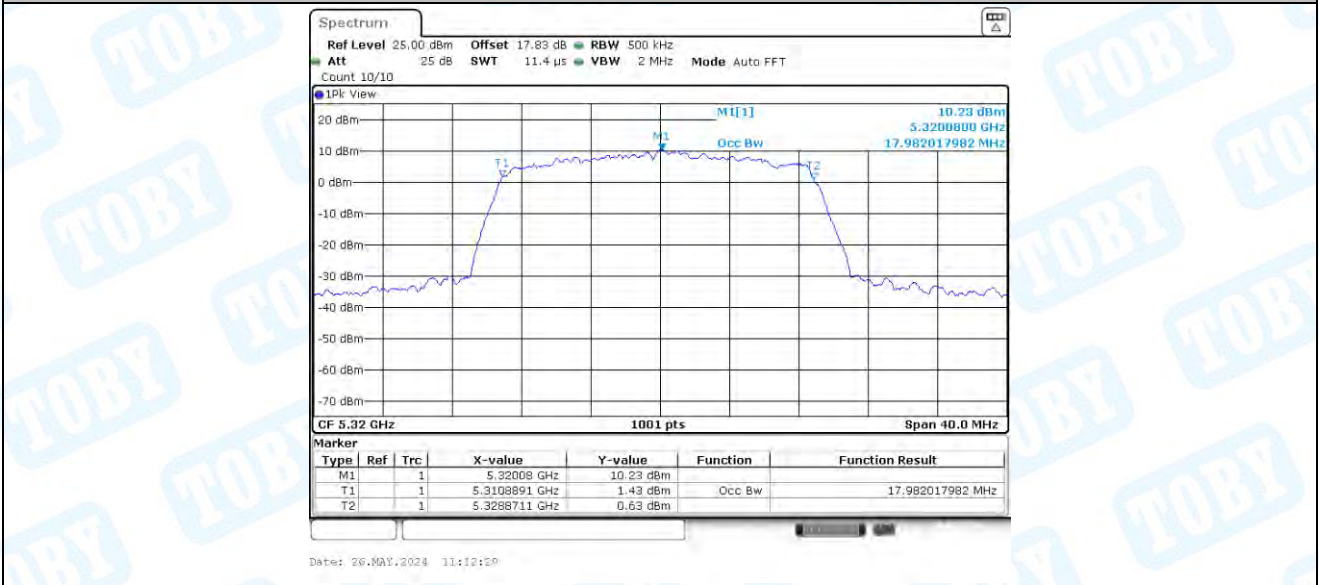
11AC20MIMO_Ant1_5280



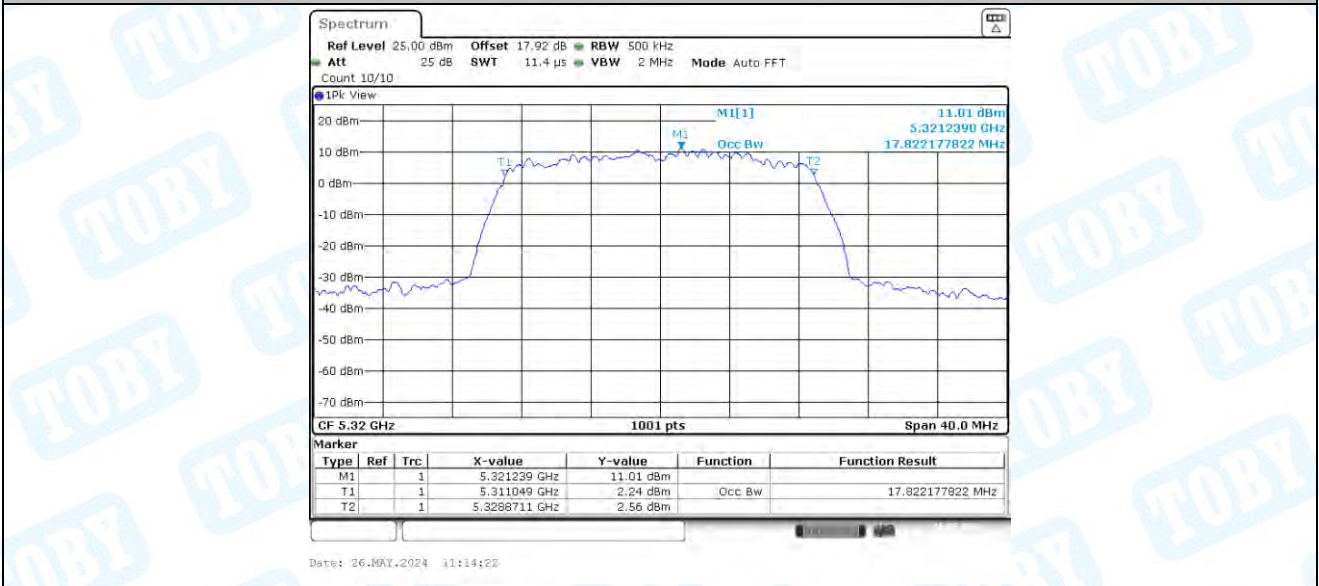
11AC20MIMO_Ant2_5280



11AC20MIMO_Ant1_5320



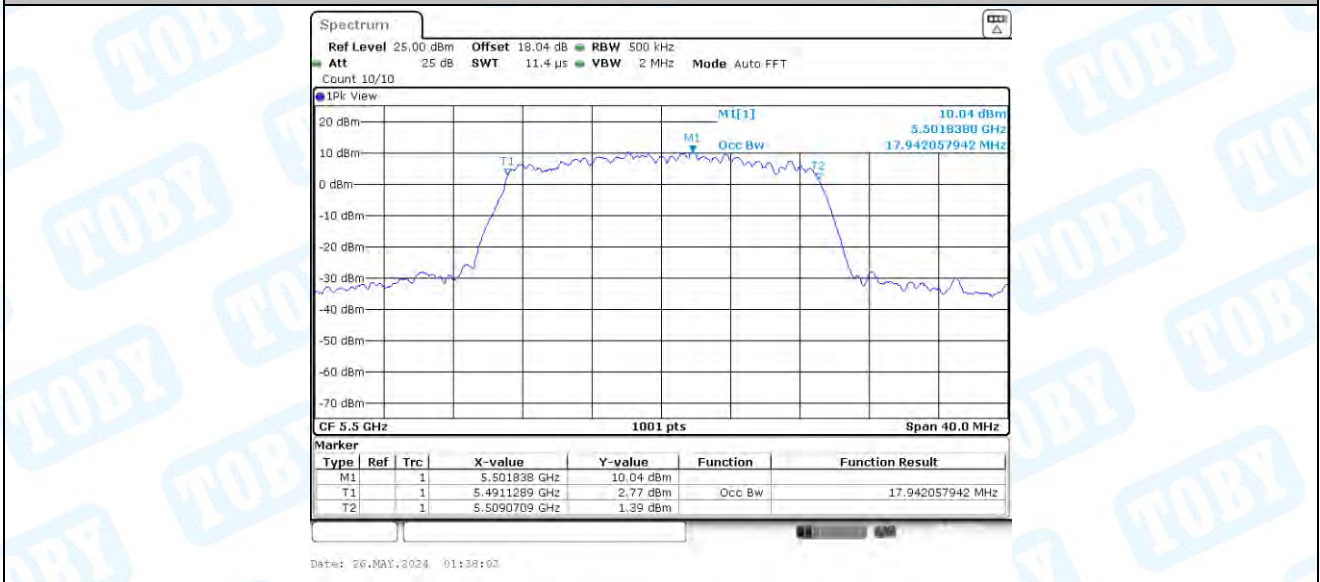
11AC20MIMO_Ant2_5320



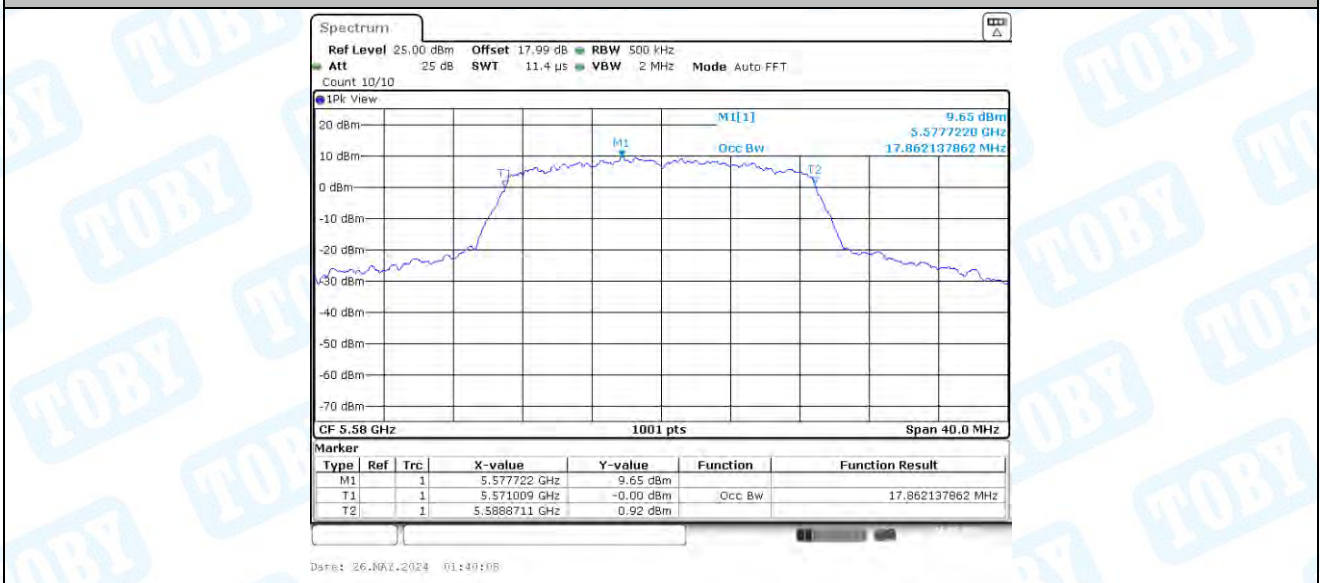
11AC20MIMO_Ant1_5500



11AC20MIMO_Ant2_5500



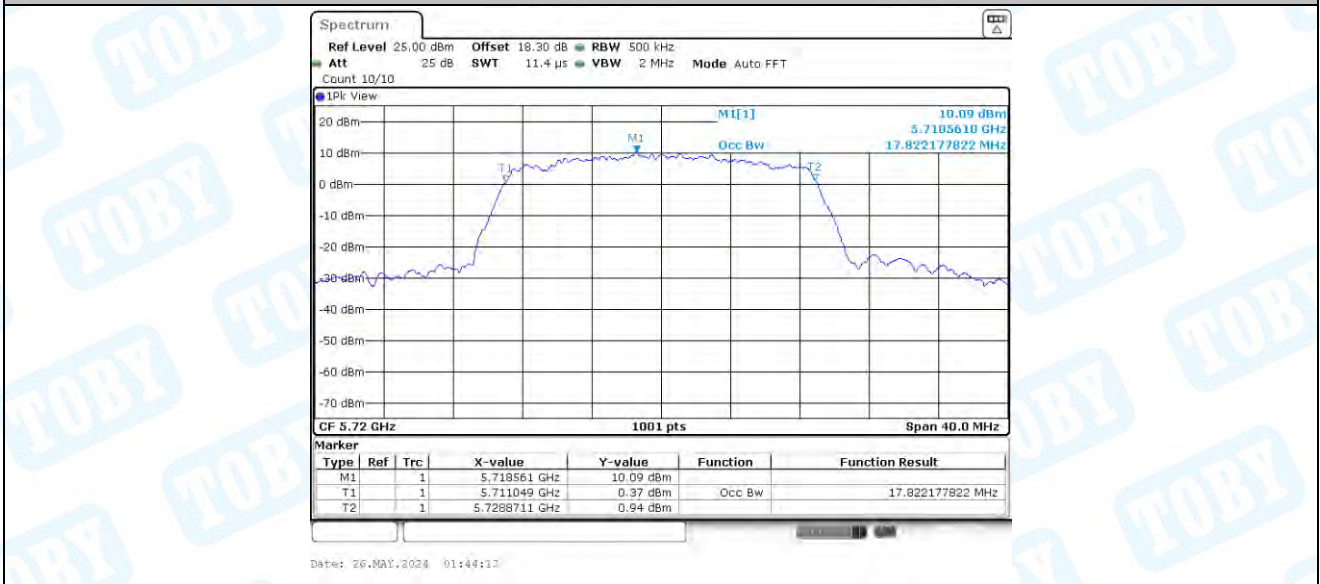
11AC20MIMO_Ant1_5580



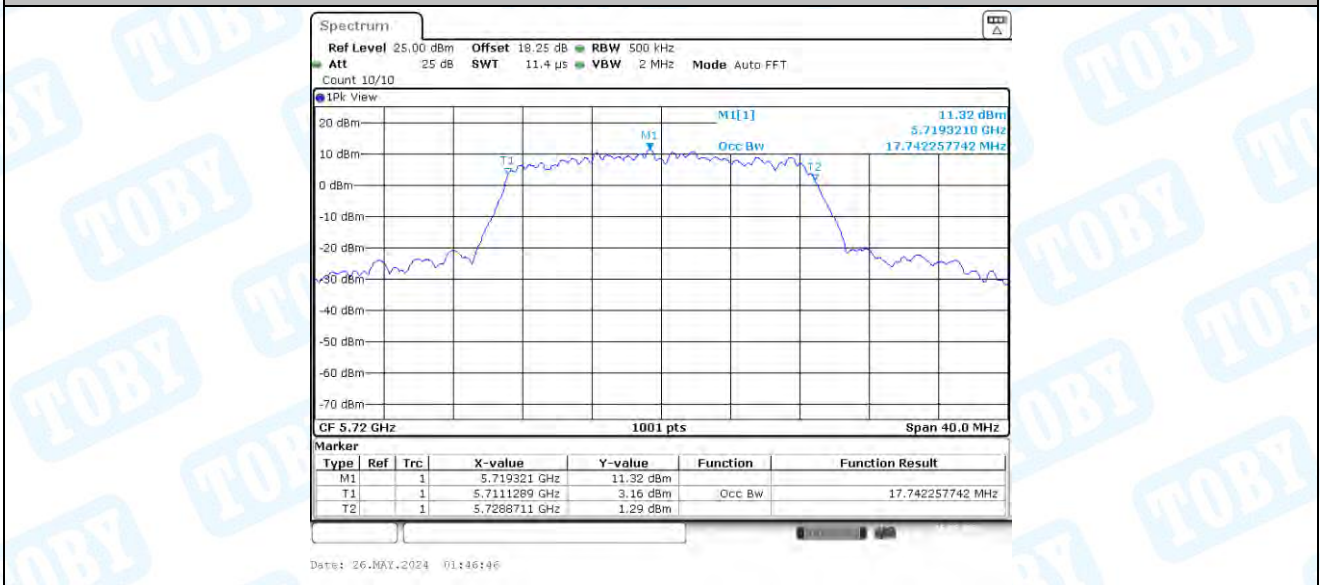
11AC20MIMO_Ant2_5580



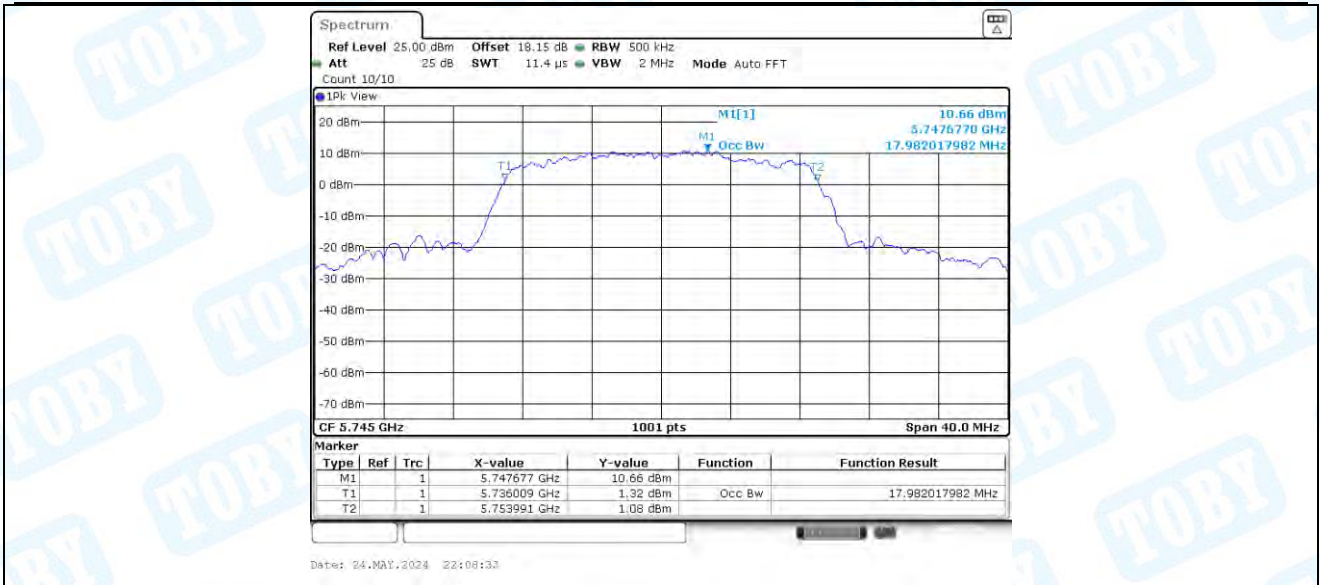
11AC20MIMO_Ant1_5720



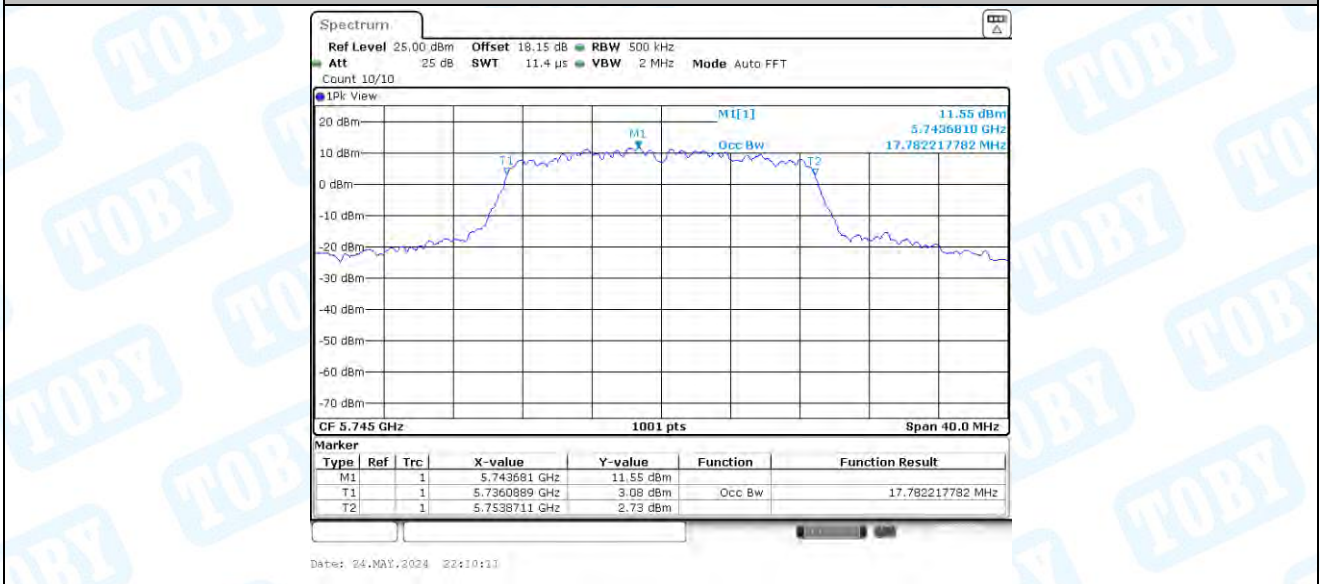
11AC20MIMO_Ant2_5720



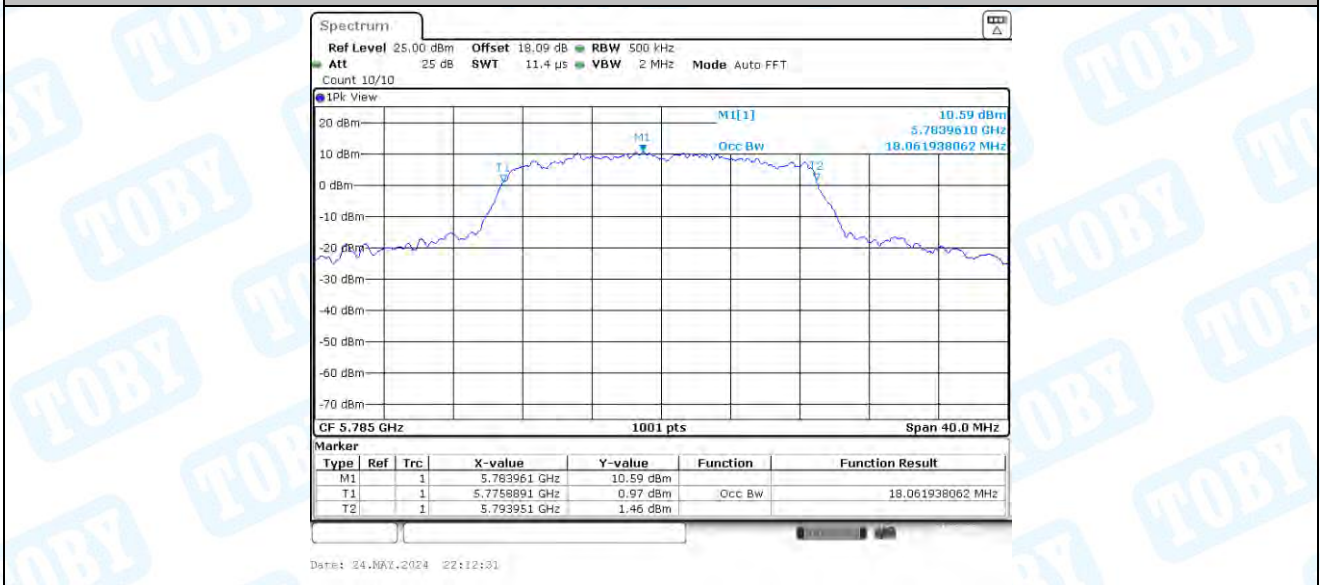
11AC20MIMO_Ant1_5745



11AC20MIMO_Ant2_5745



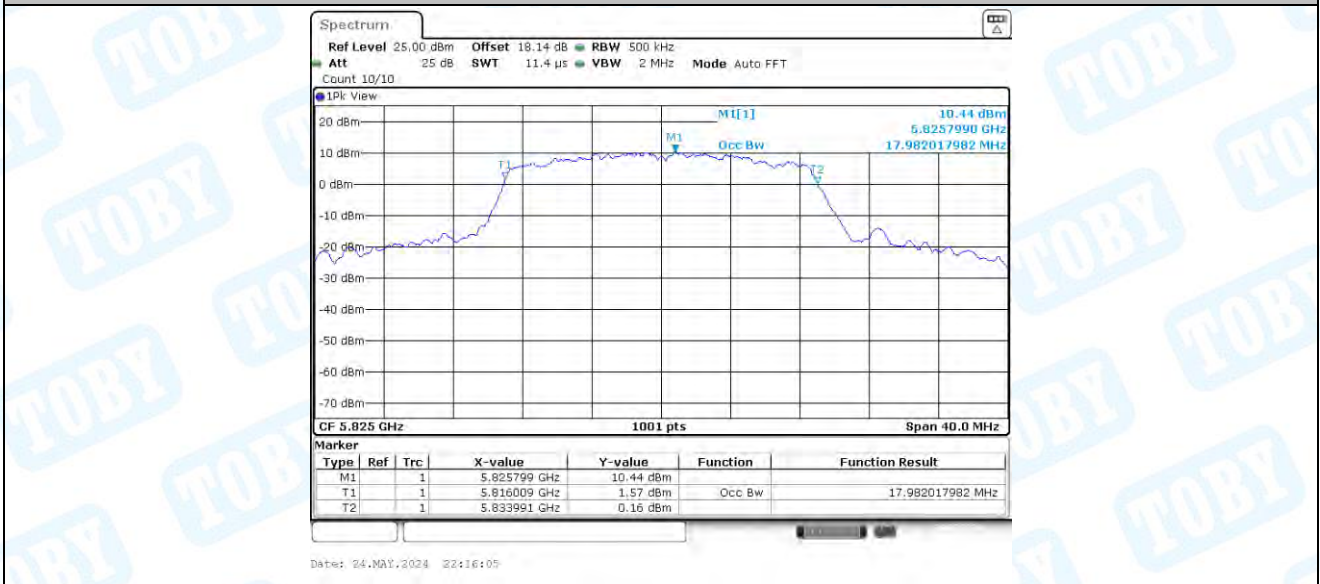
11AC20MIMO_Ant1_5785



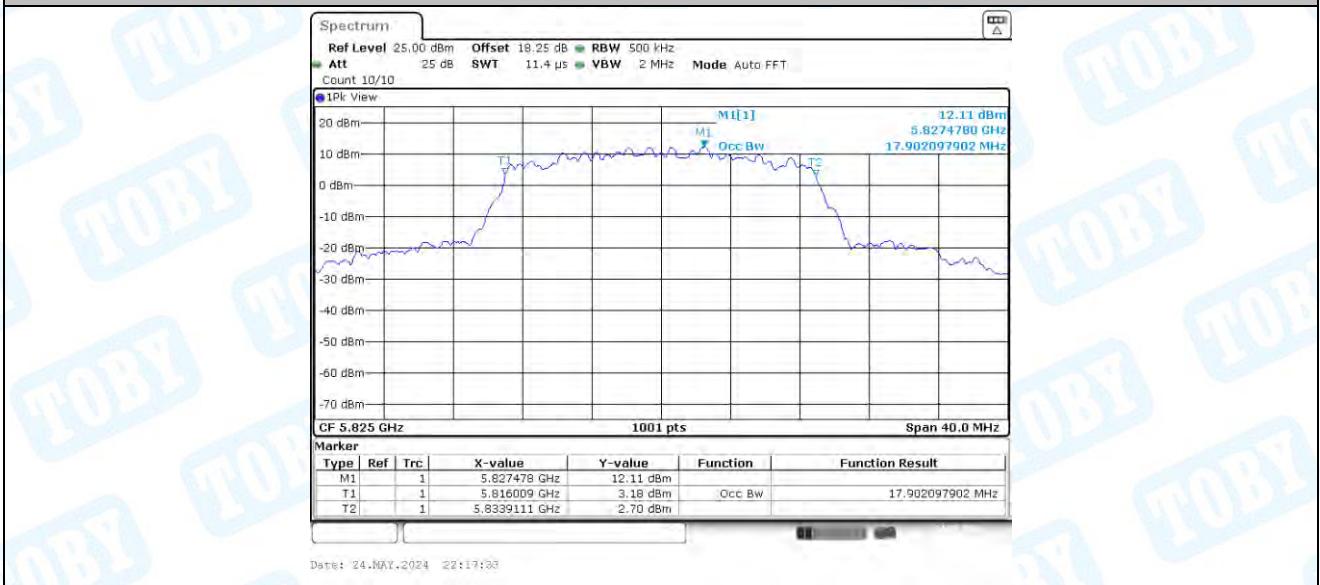
11AC20MIMO_Ant2_5785



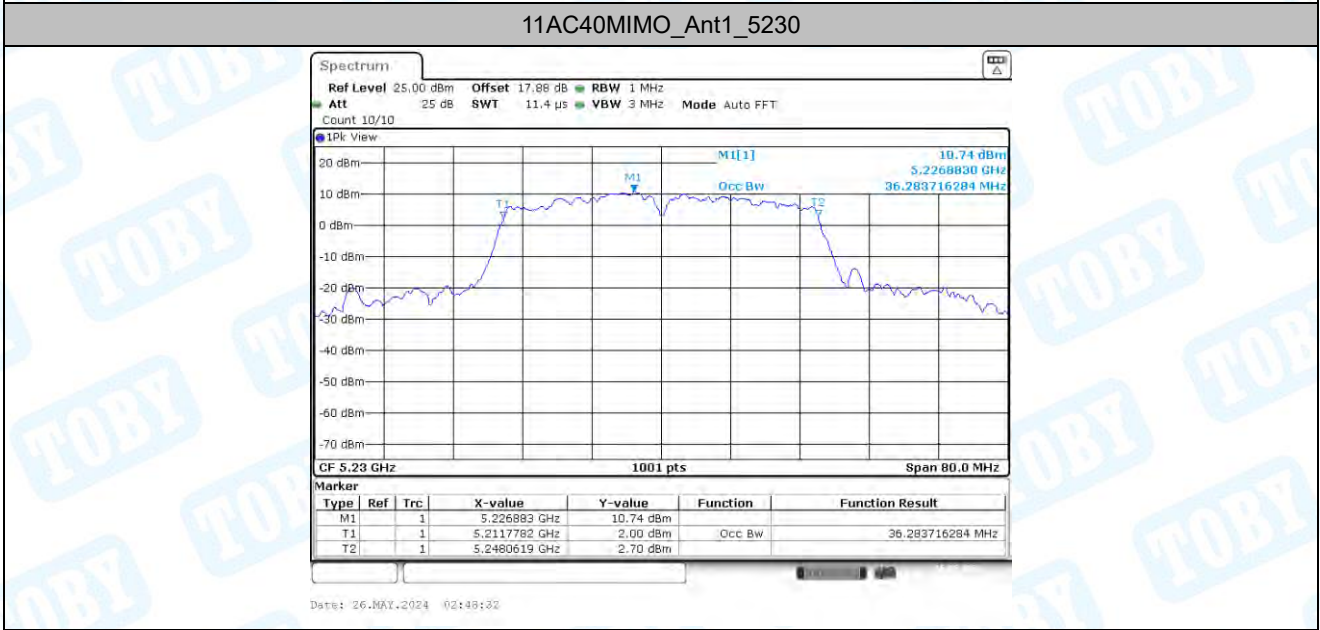
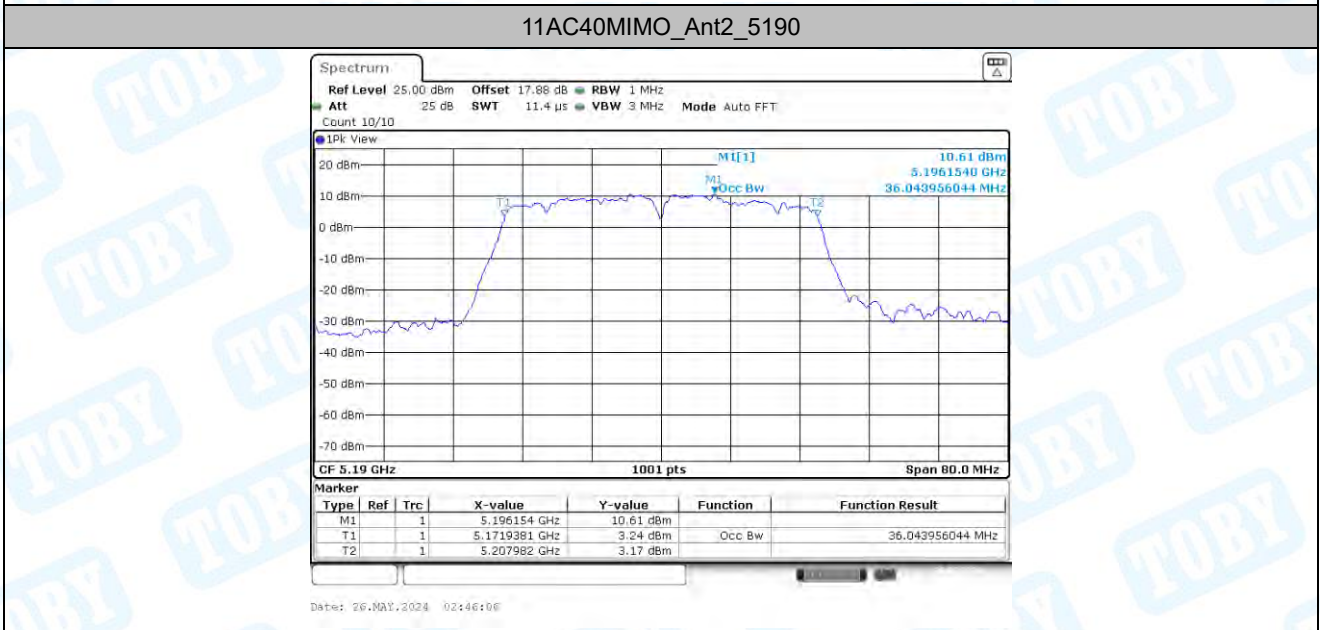
11AC20MIMO_Ant1_5825



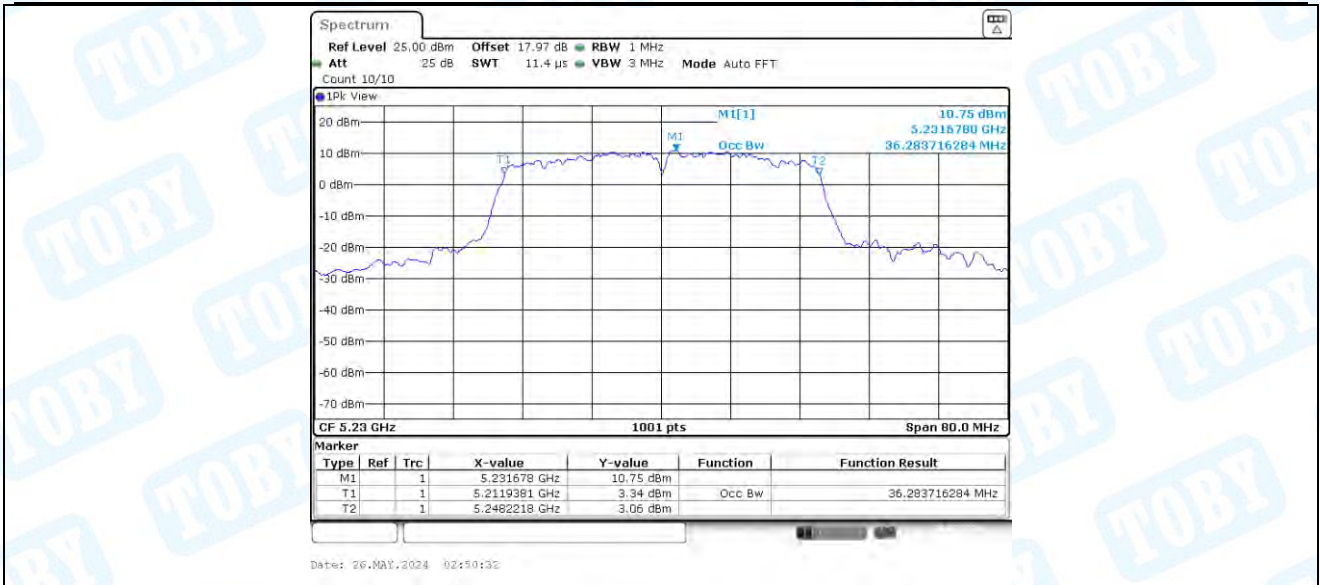
11AC20MIMO_Ant2_5825



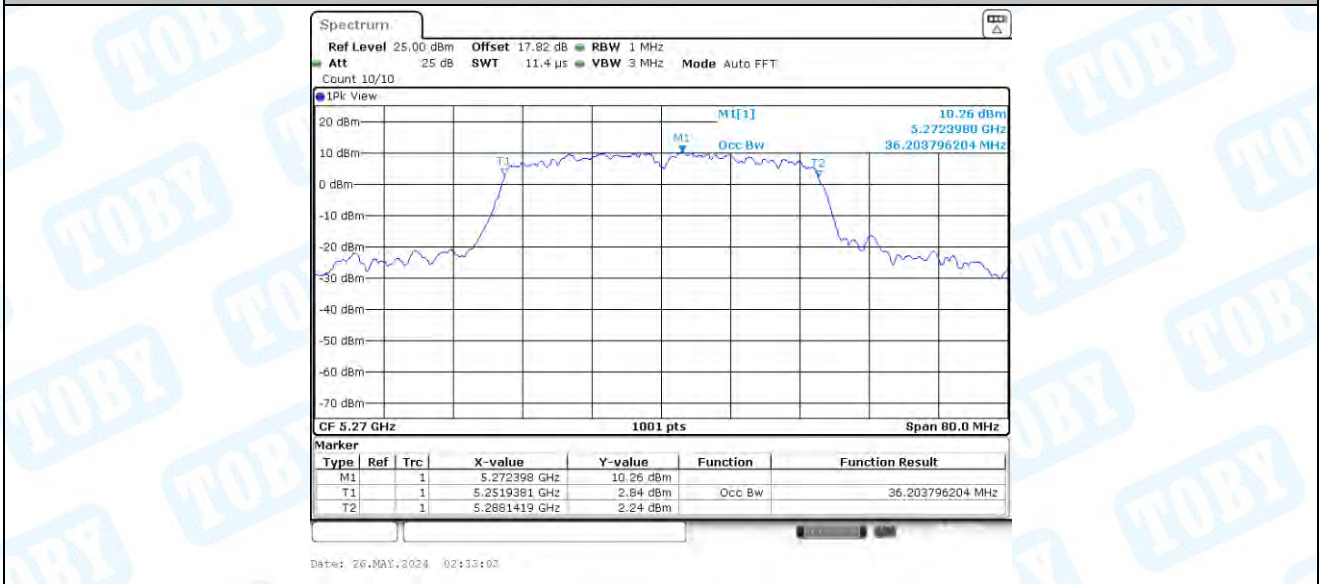
11AC40MIMO_Ant1_5190



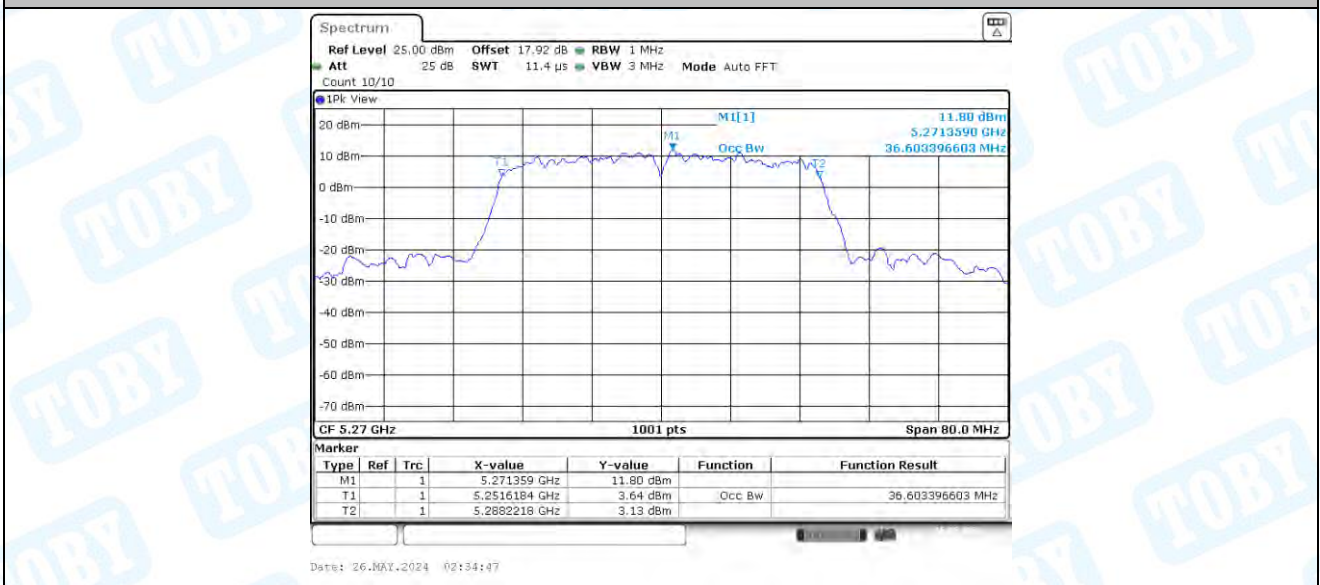
11AC40MIMO_Ant2_5230



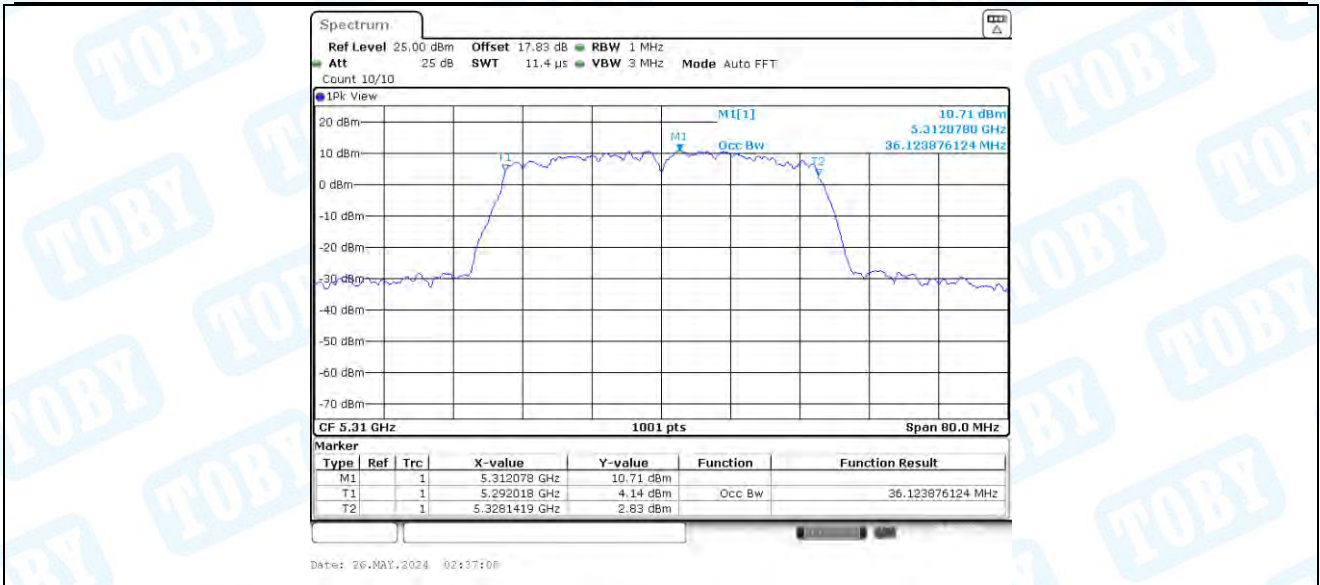
11AC40MIMO_Ant1_5270



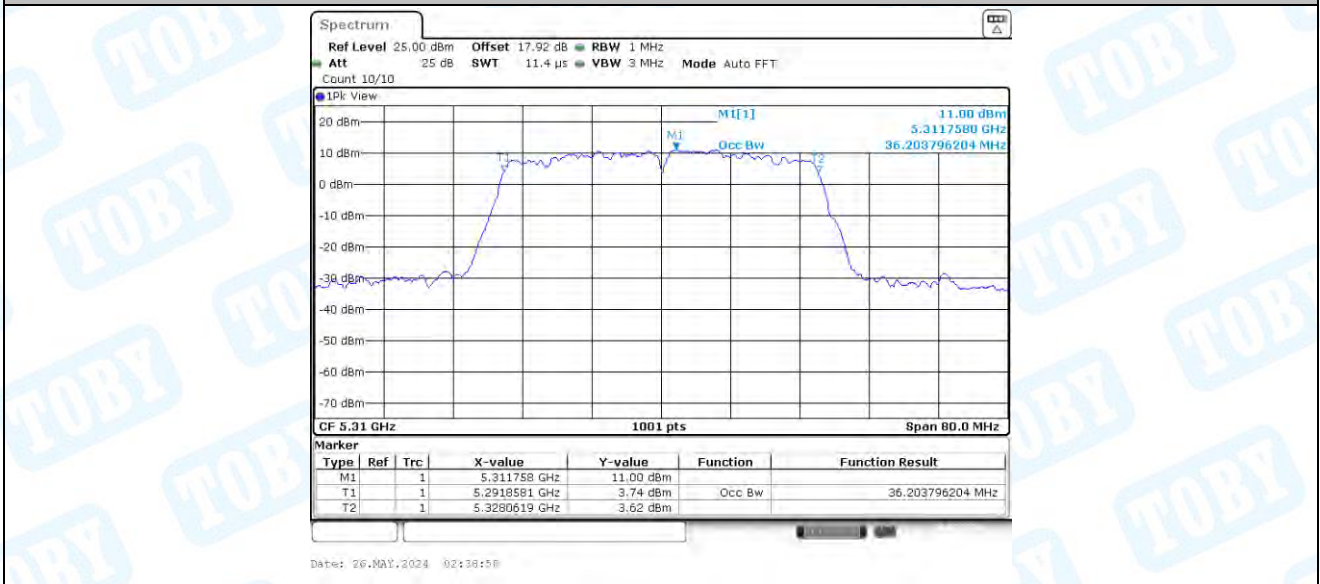
11AC40MIMO_Ant2_5270



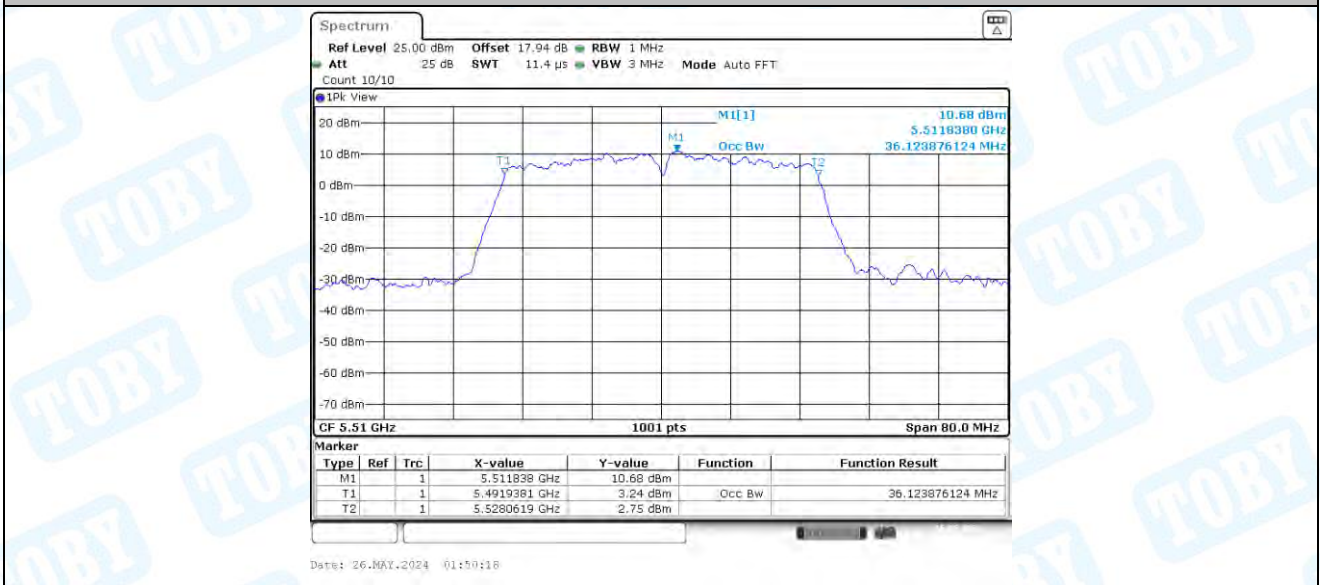
11AC40MIMO_Ant1_5310



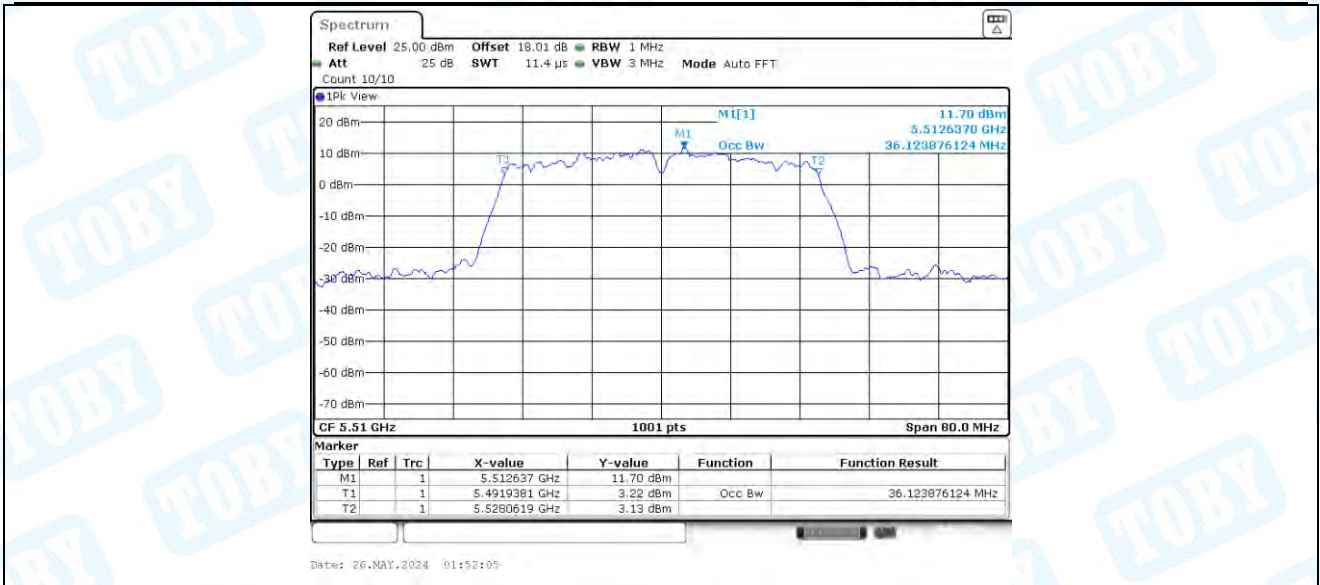
11AC40MIMO_Ant2_5310



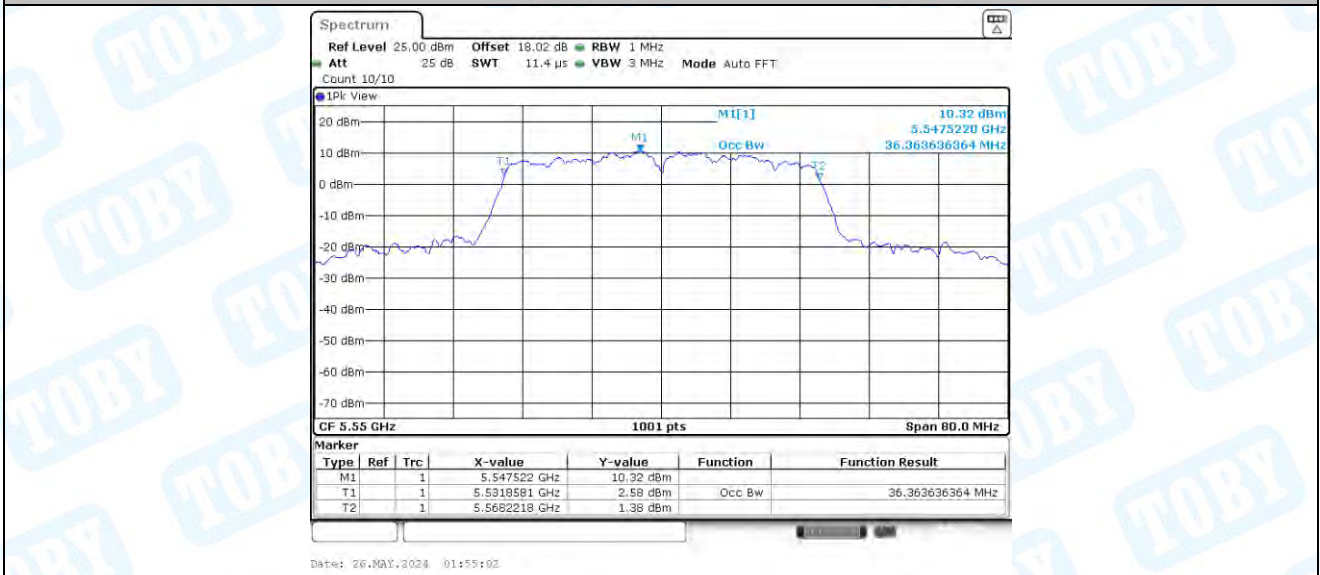
11AC40MIMO_Ant1_5510



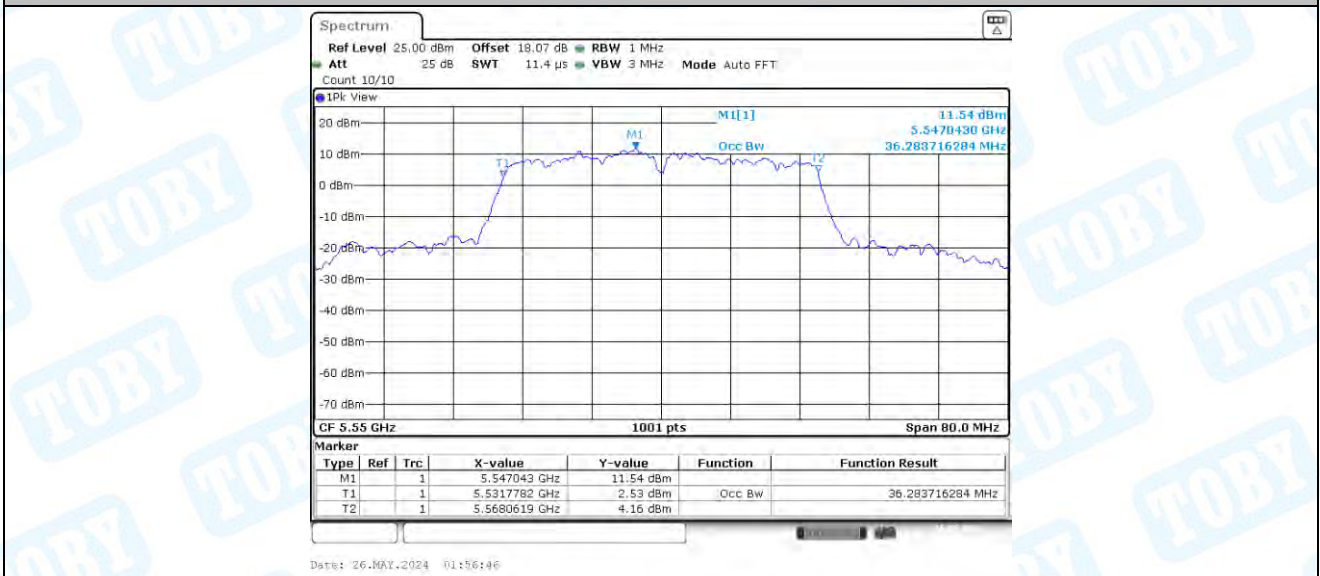
11AC40MIMO_Ant2_5510



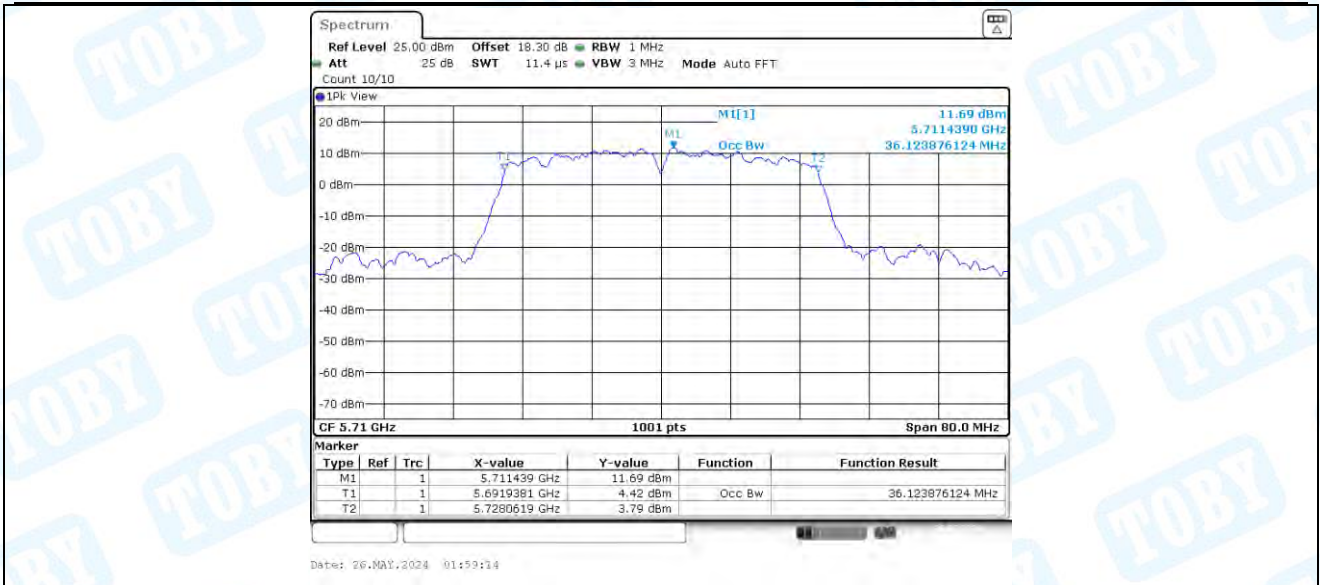
11AC40MIMO_Ant1_5550



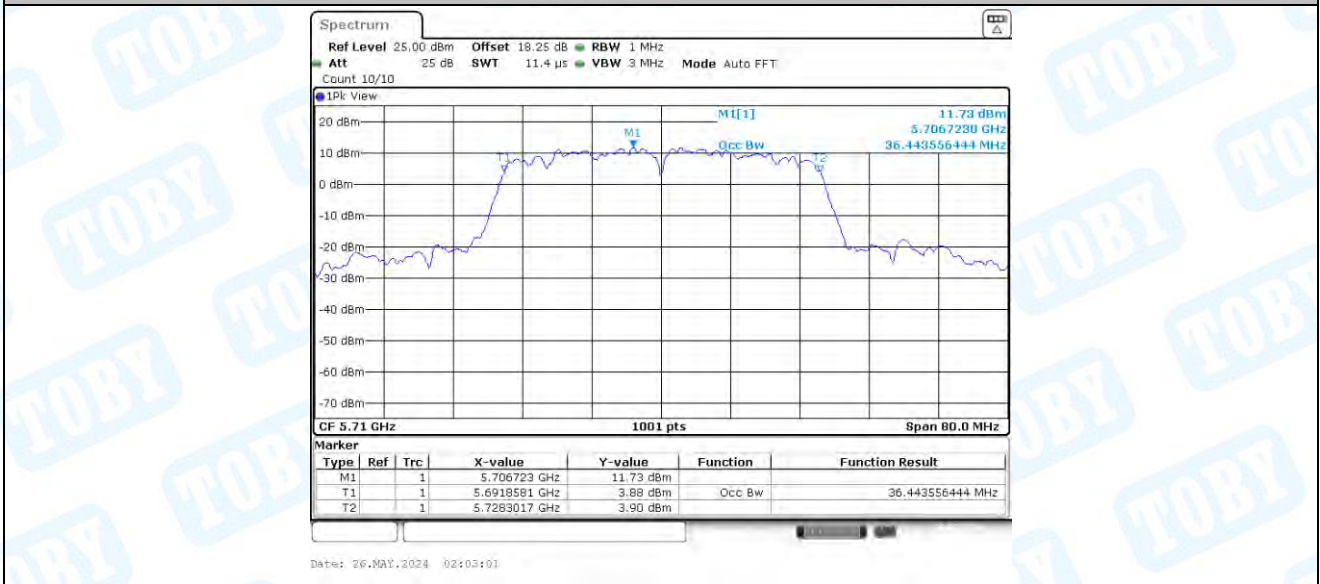
11AC40MIMO_Ant2_5550



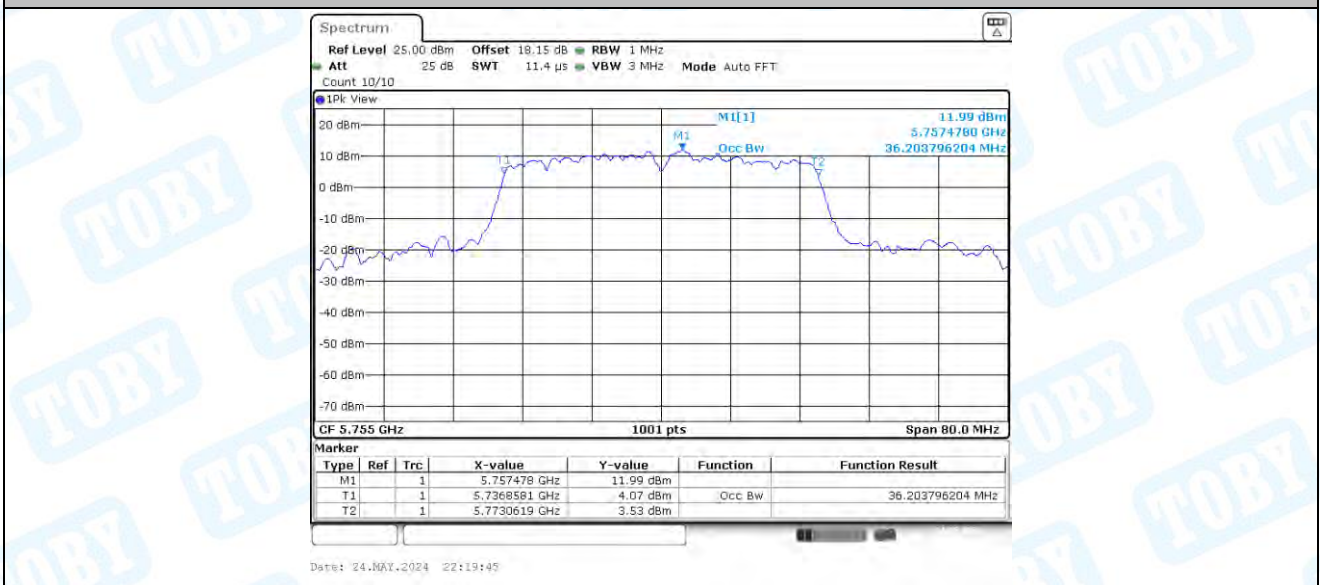
11AC40MIMO_Ant1_5710



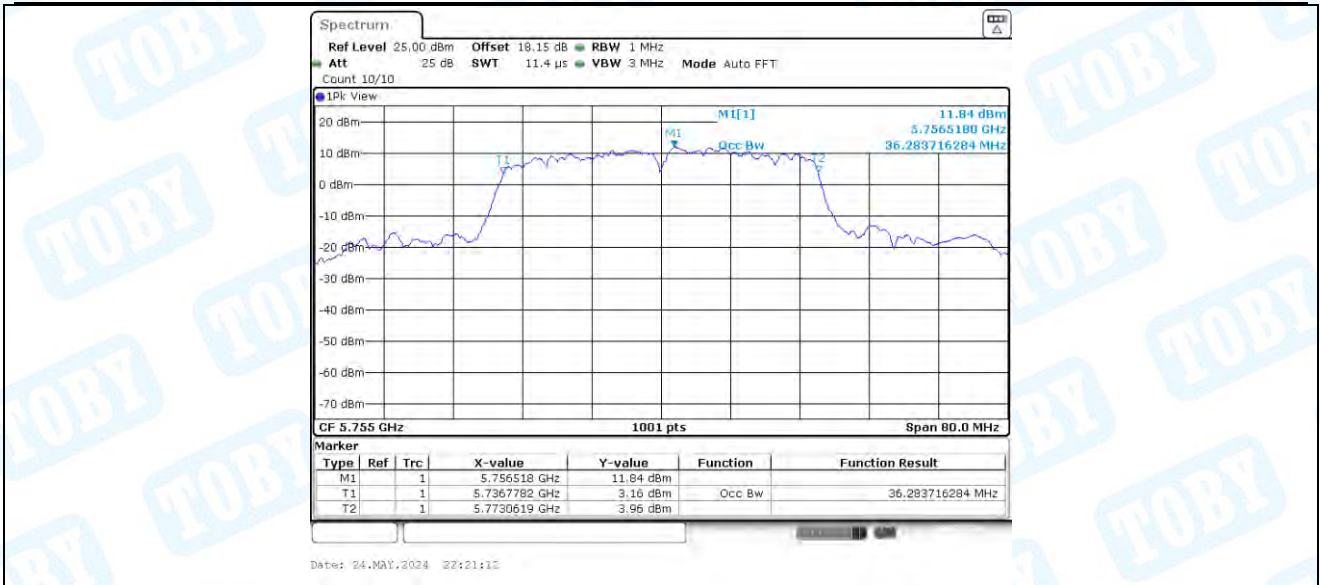
11AC40MIMO_Ant2_5710



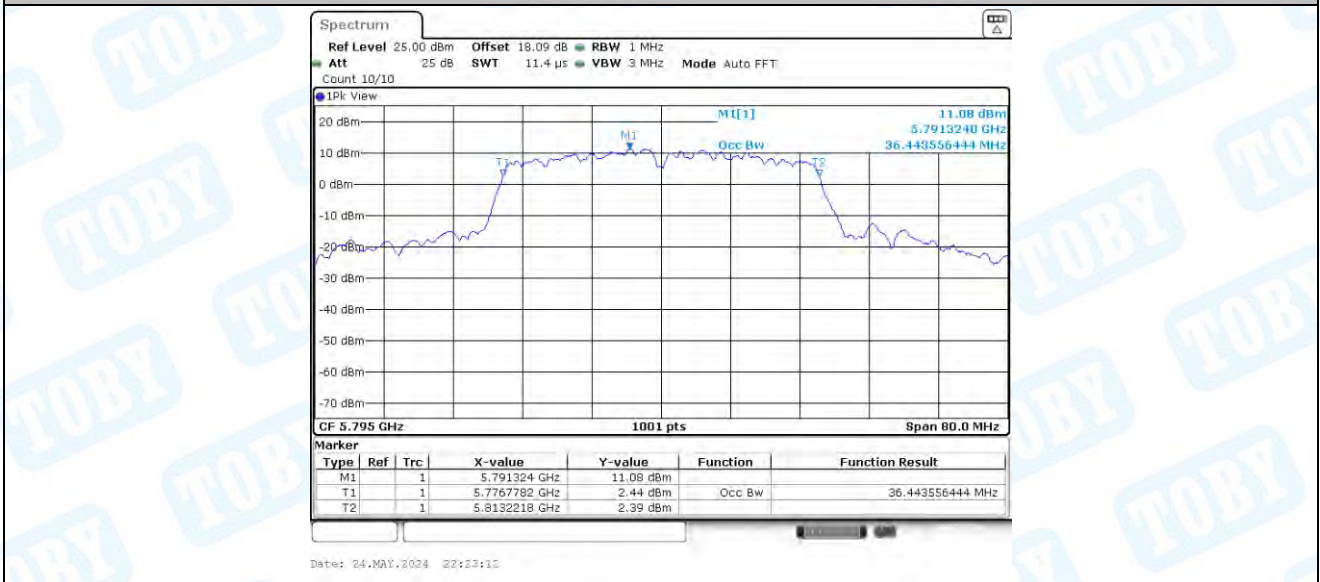
11AC40MIMO_Ant1_5755



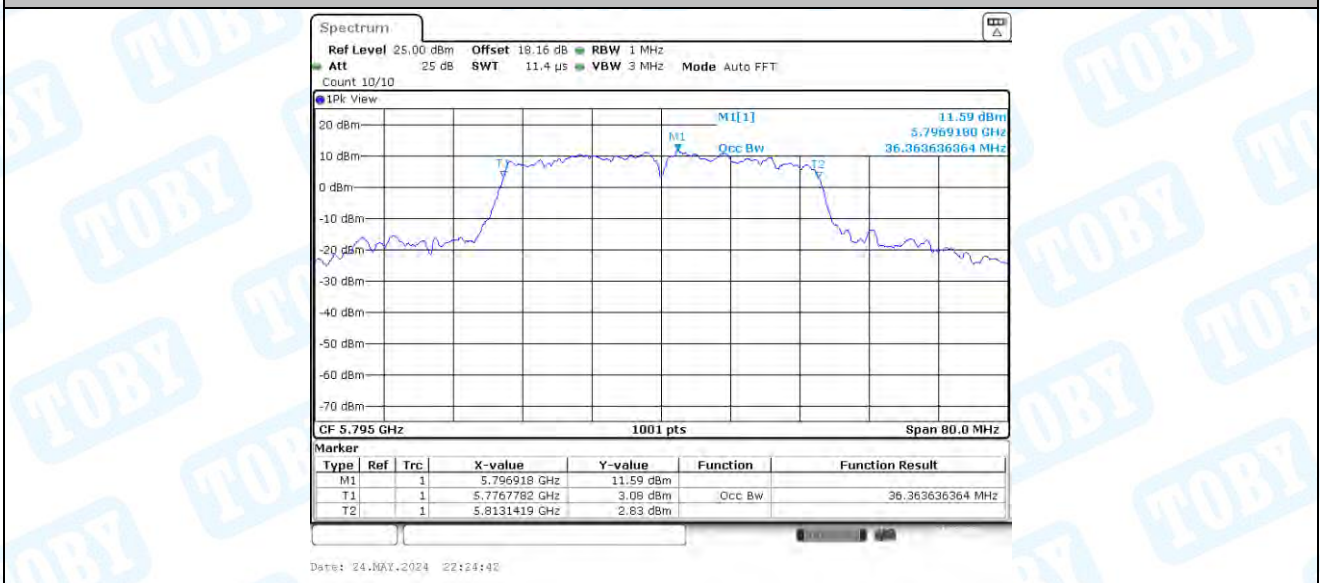
11AC40MIMO_Ant2_5755



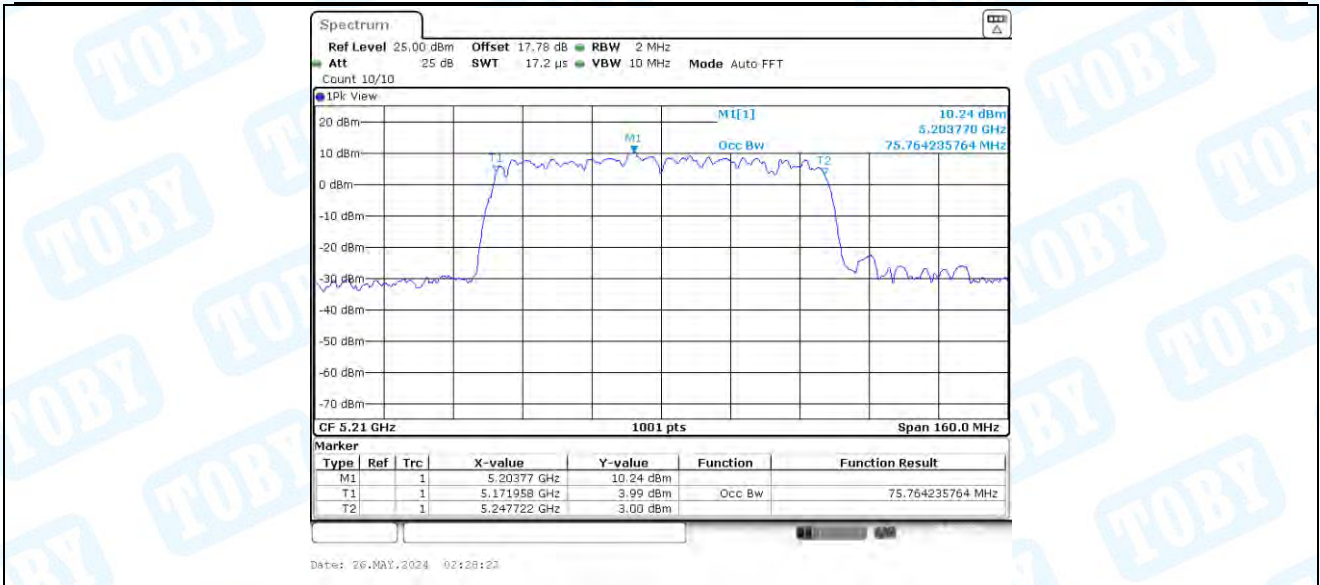
11AC40MIMO_Ant1_5795



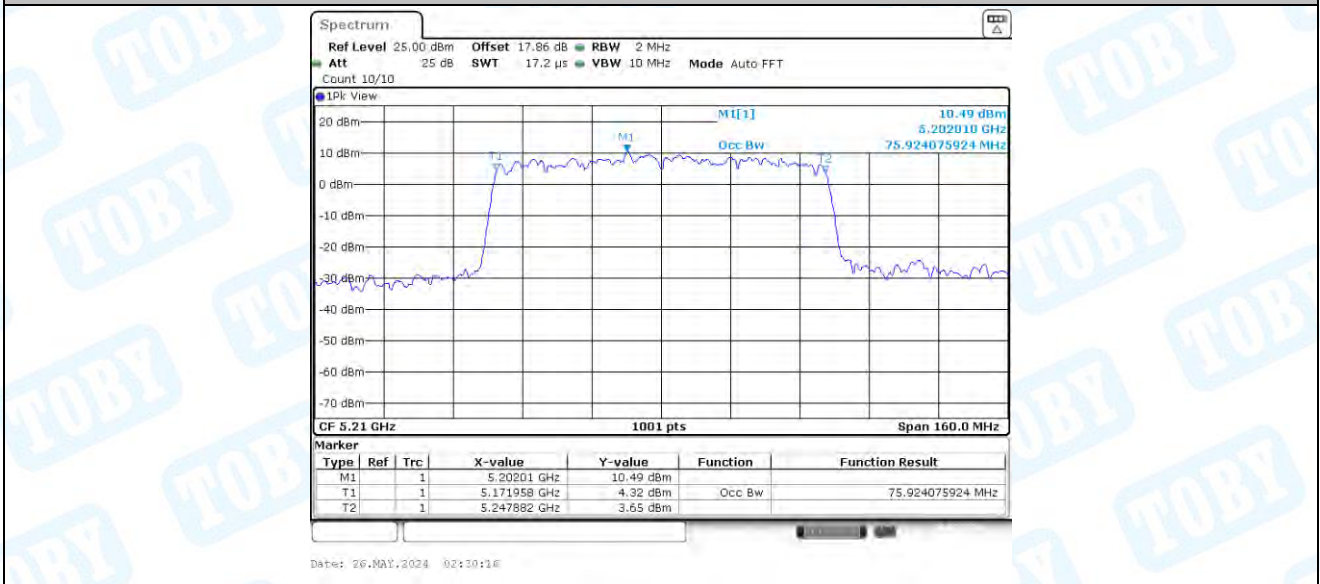
11AC40MIMO_Ant2_5795



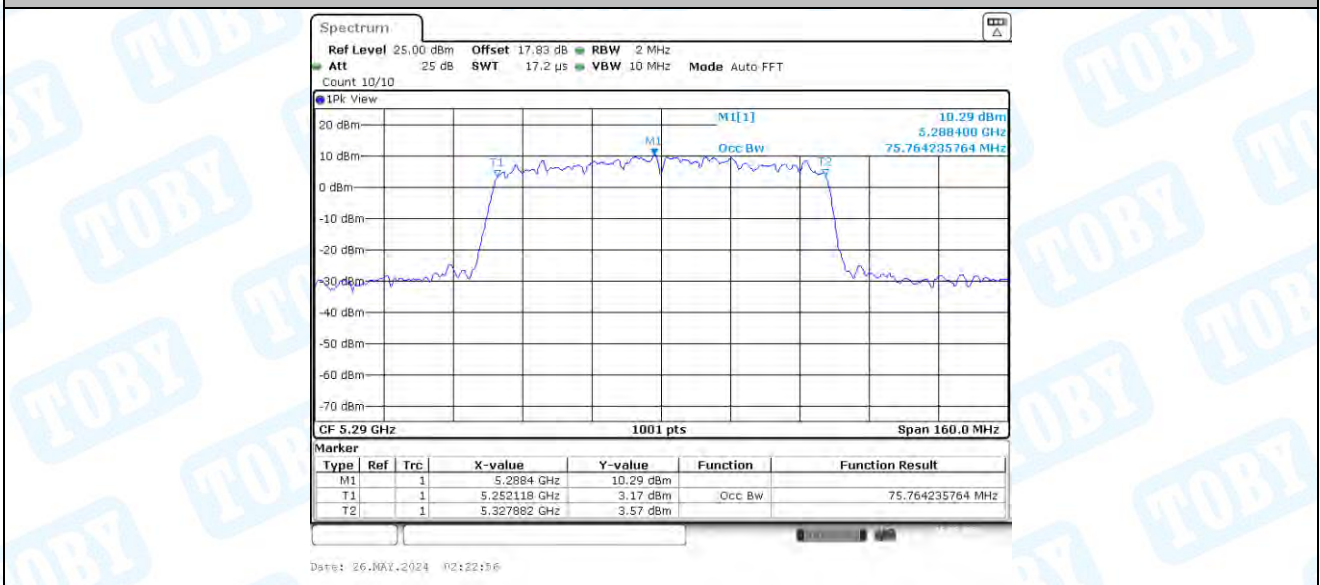
11AC80MIMO_Ant1_5210



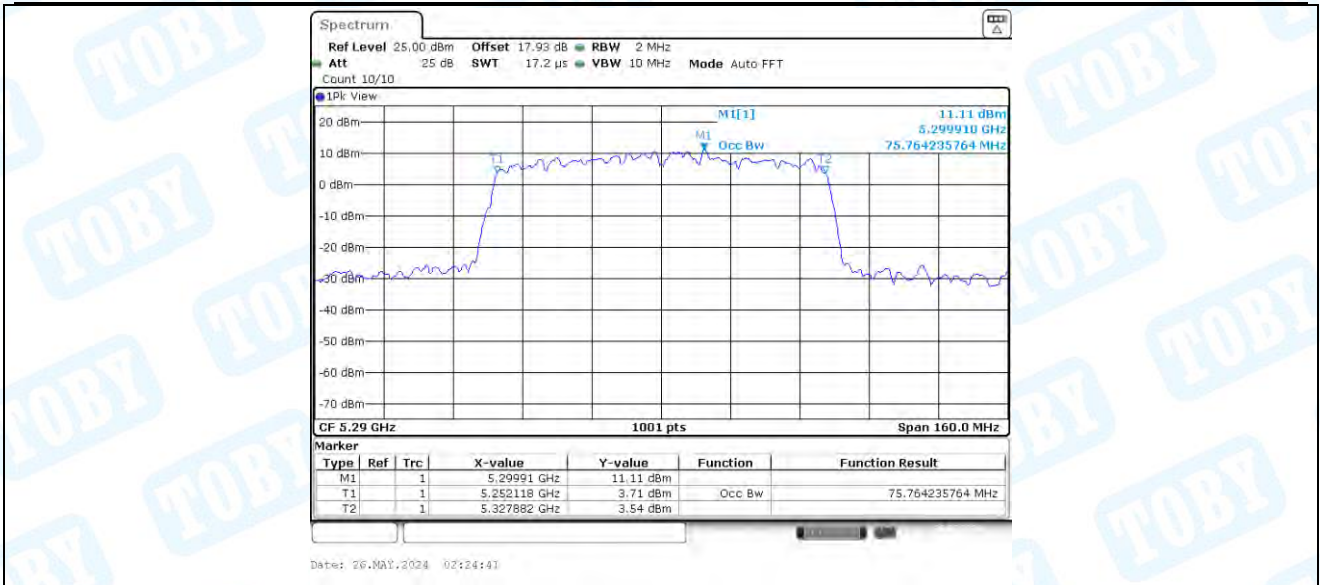
11AC80MIMO_Ant2_5210



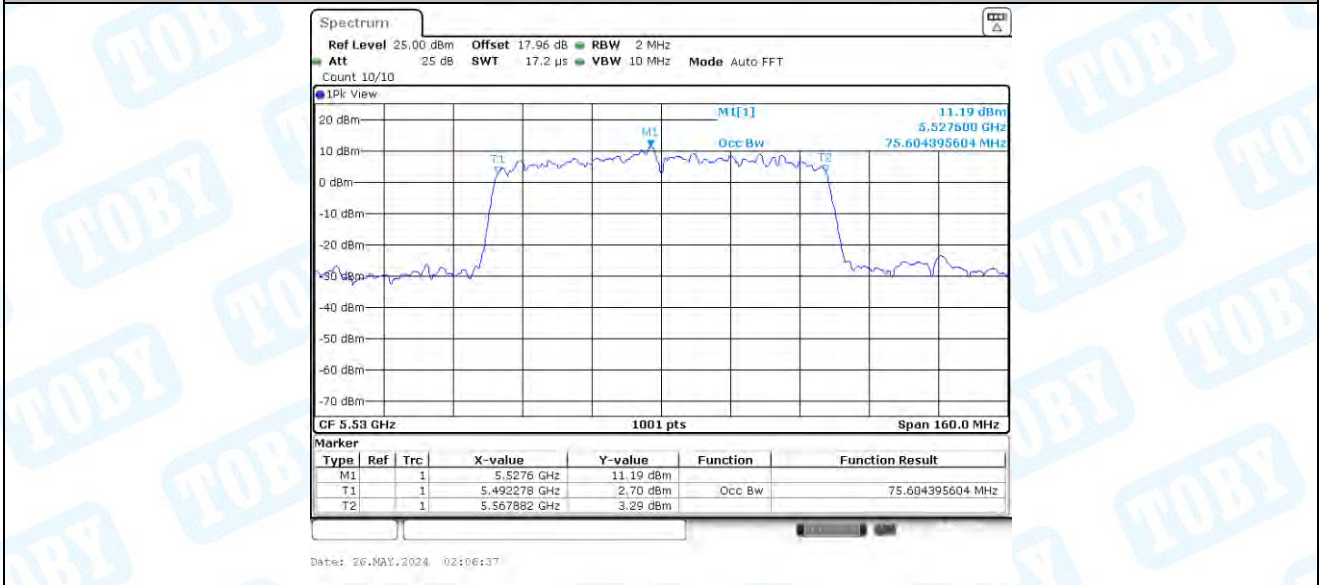
11AC80MIMO_Ant1_5290



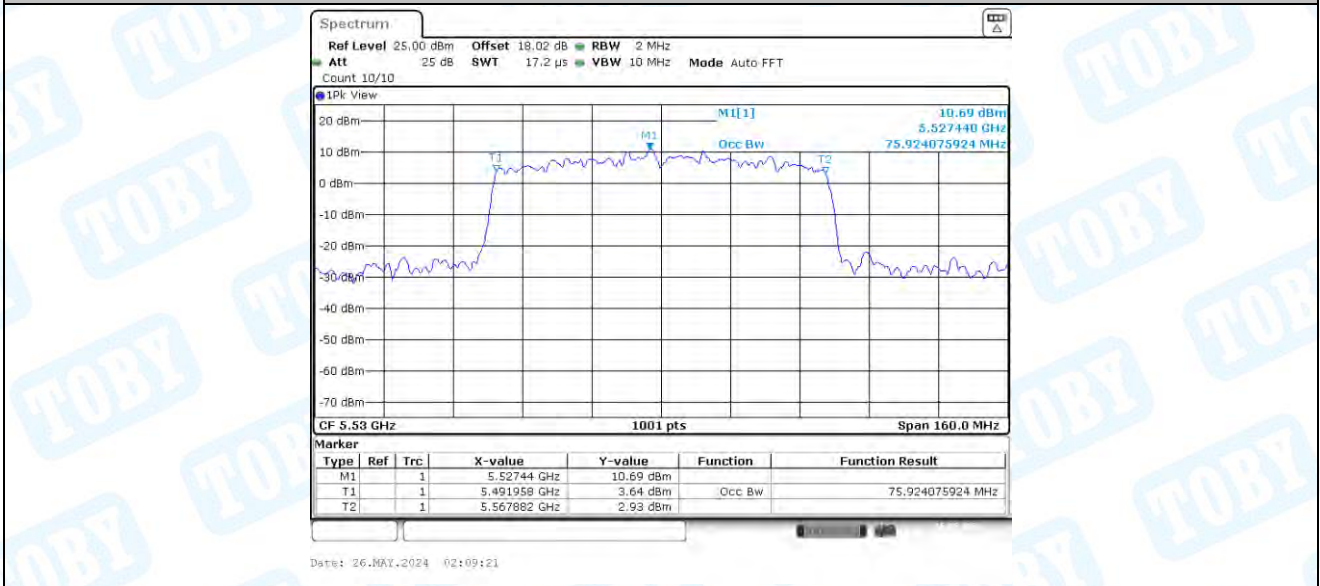
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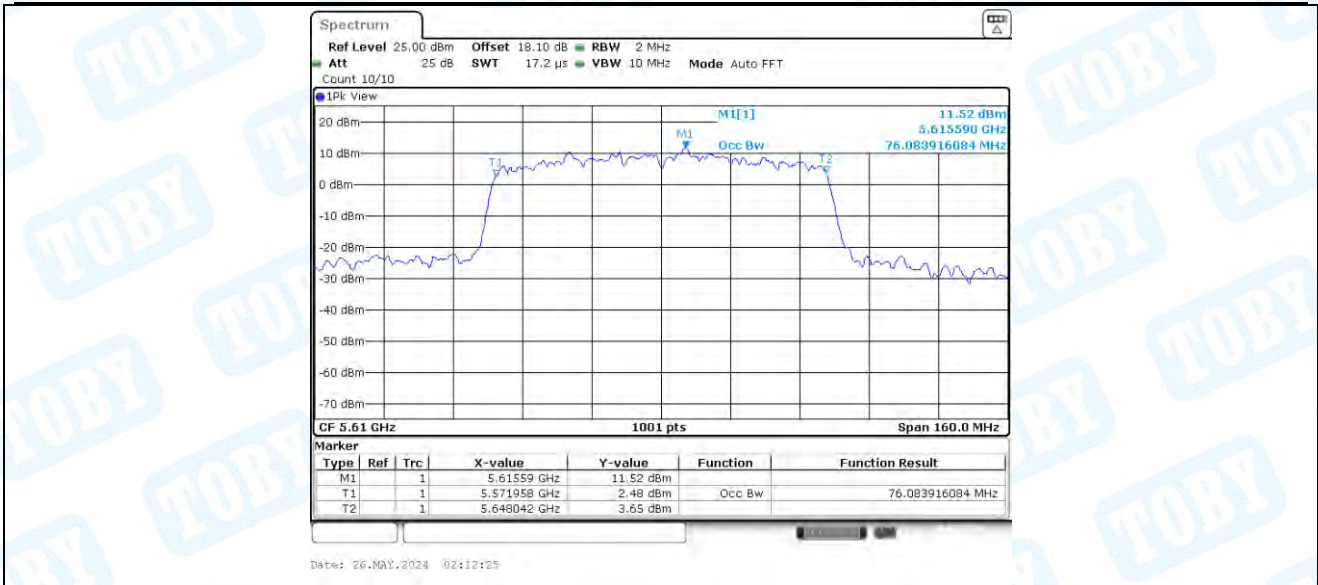
11AC80MIMO_Ant1_5530



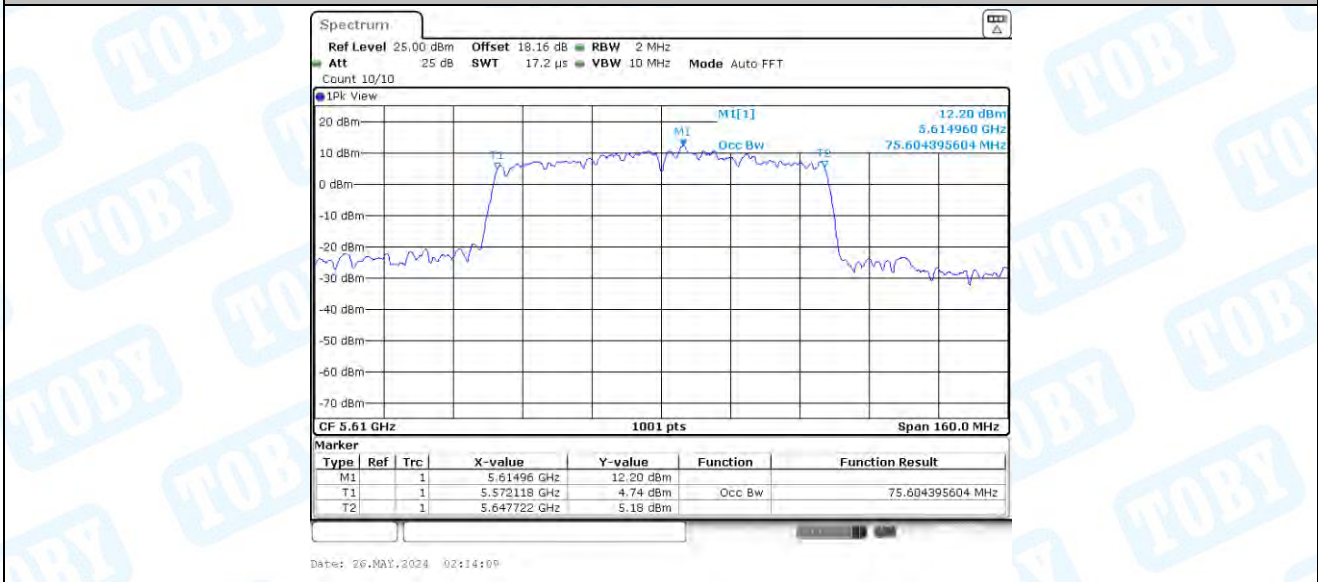
11AC80MIMO_Ant2_5530



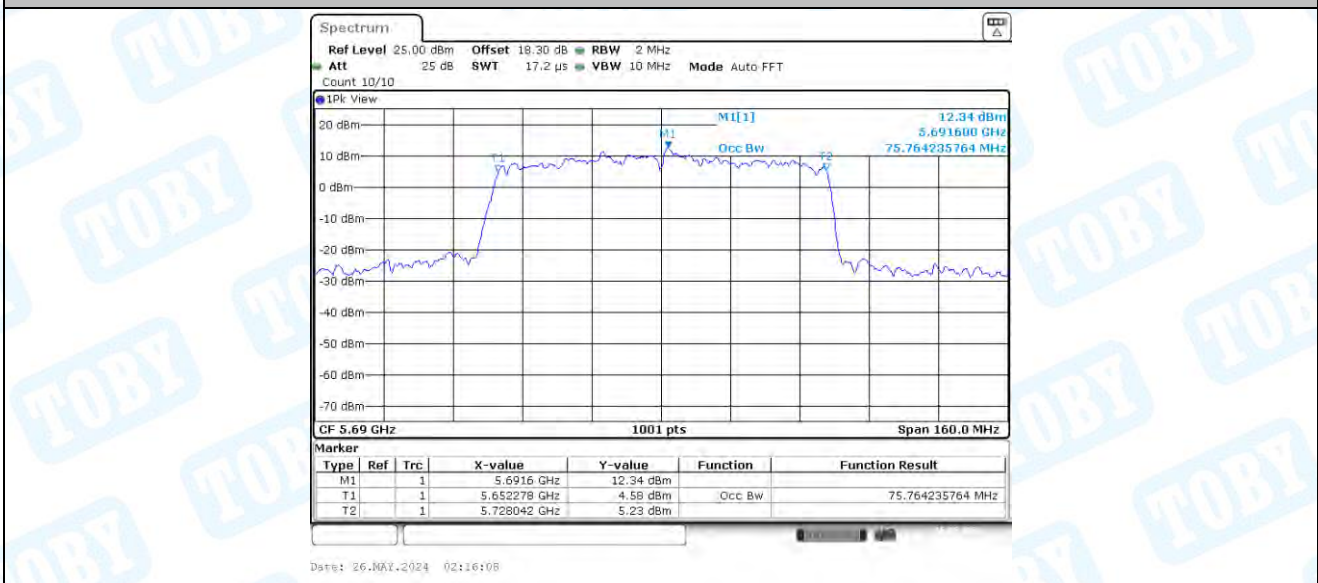
11AC80MIMO_Ant1_5610



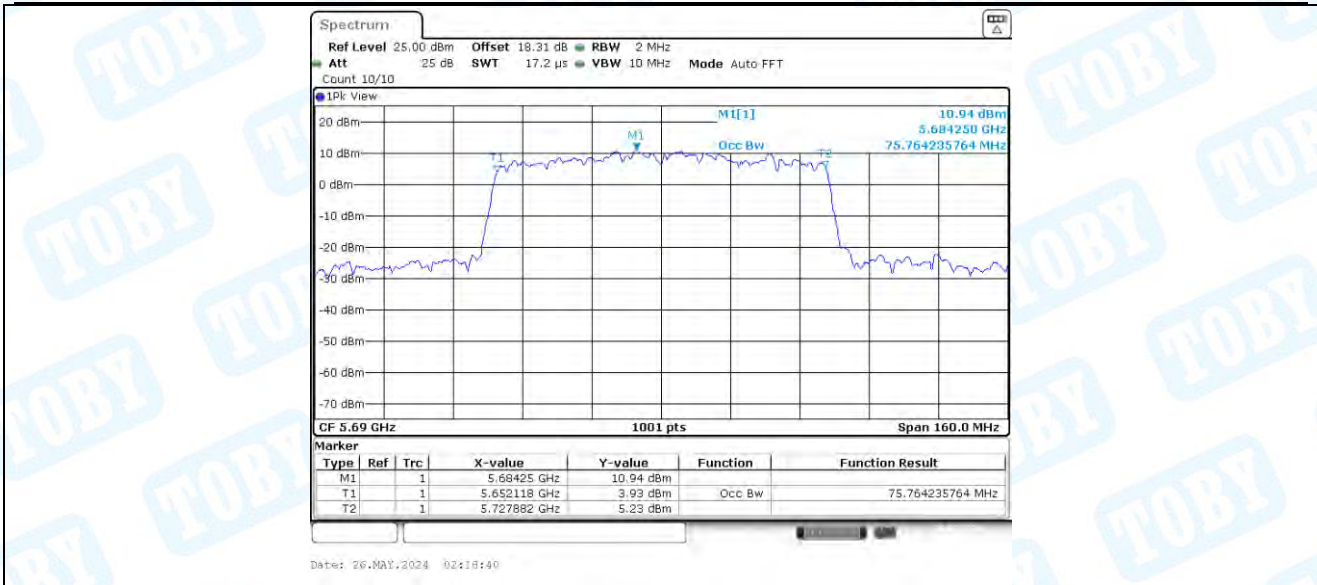
11AC80MIMO_Ant2_5610



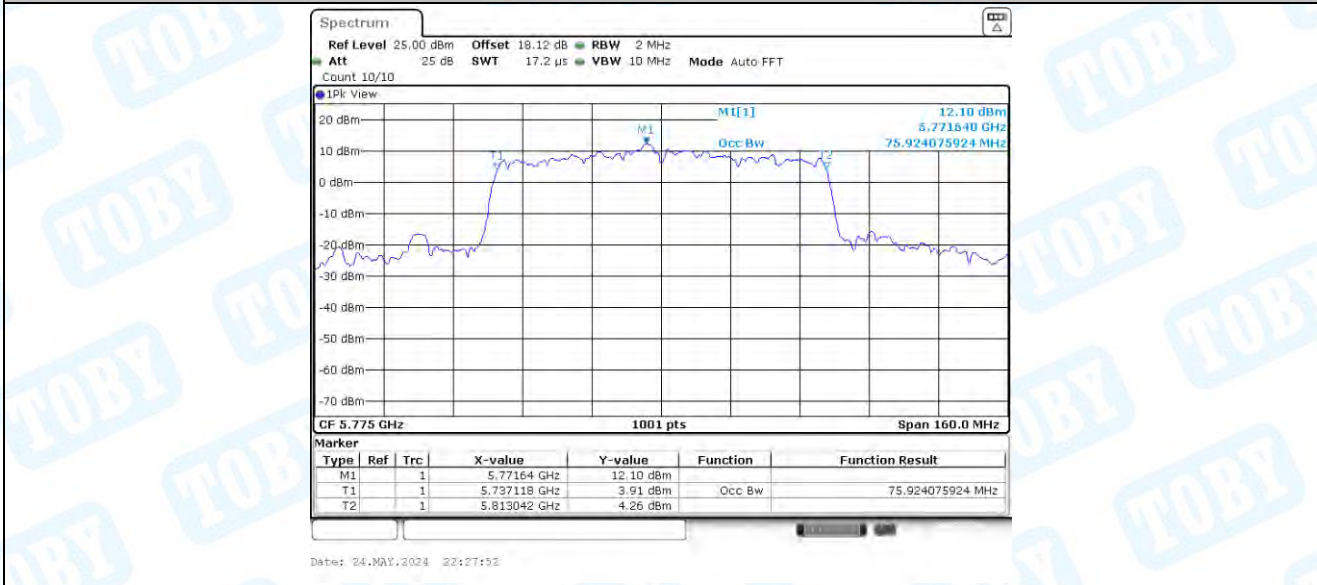
11AC80MIMO_Ant1_5690



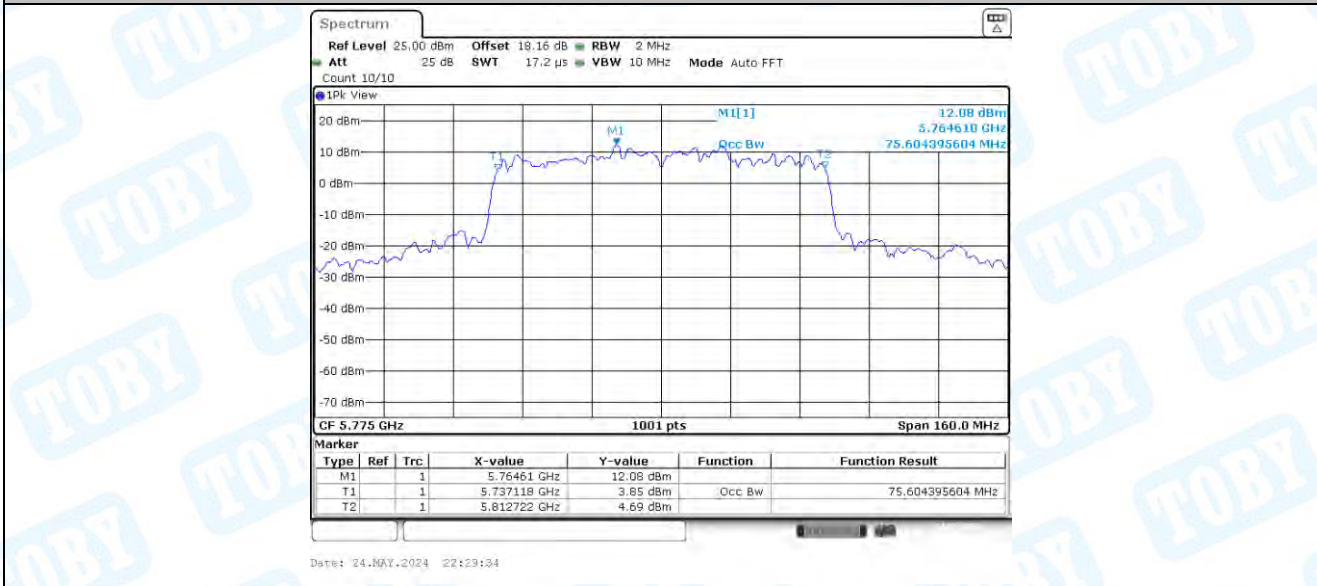
11AC80MIMO_Ant2_5690



11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775

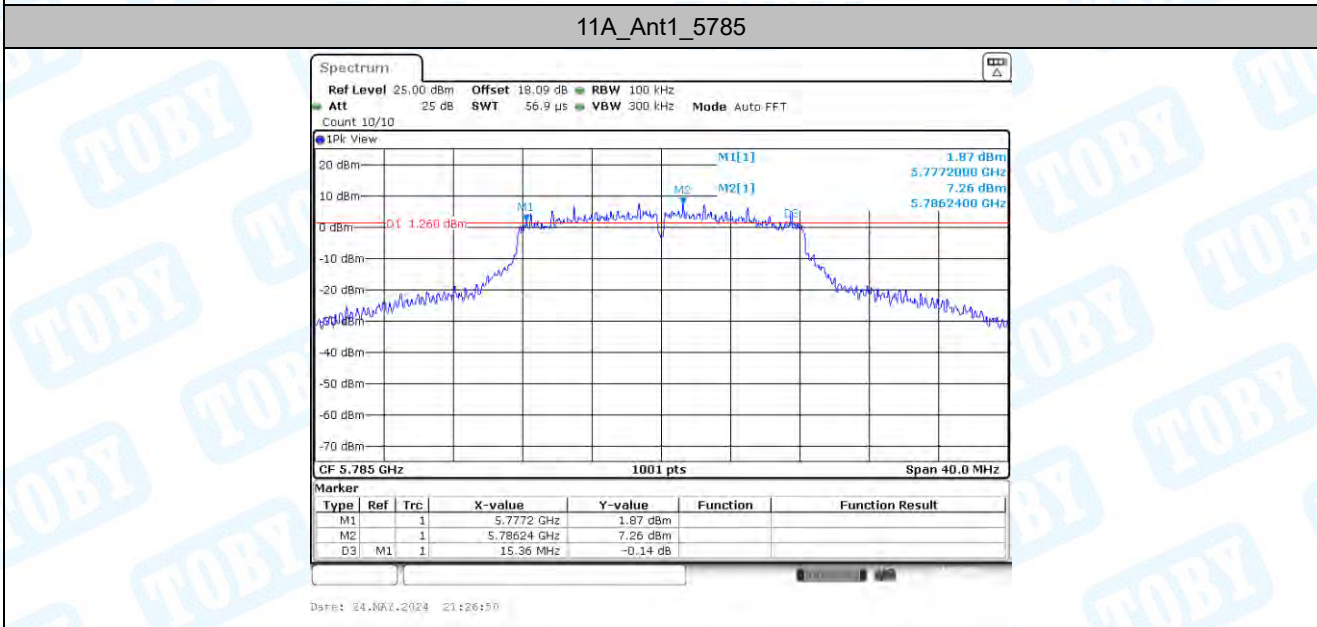
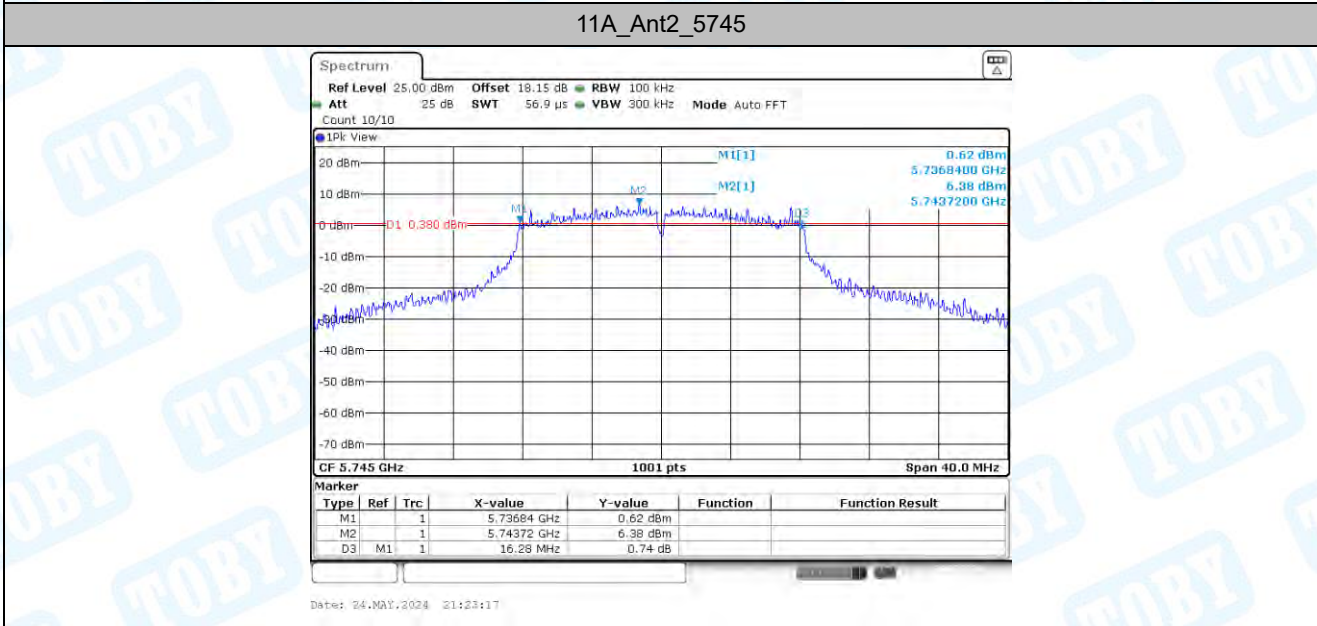
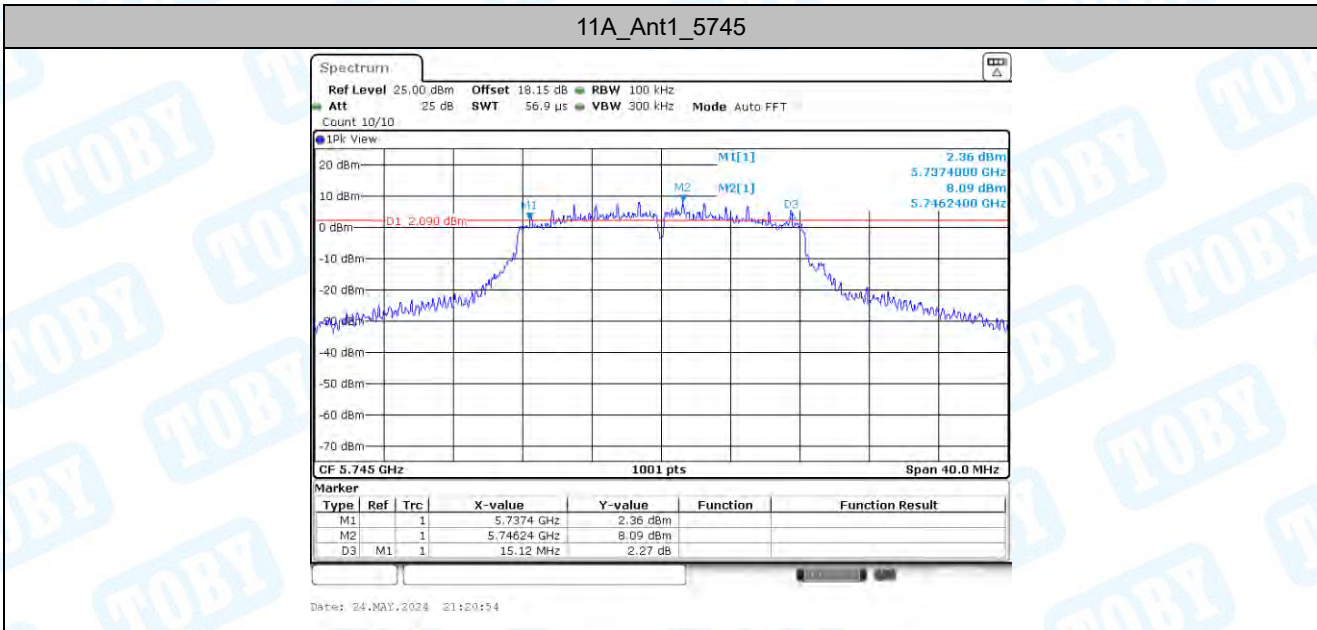


3. Min emission bandwidth

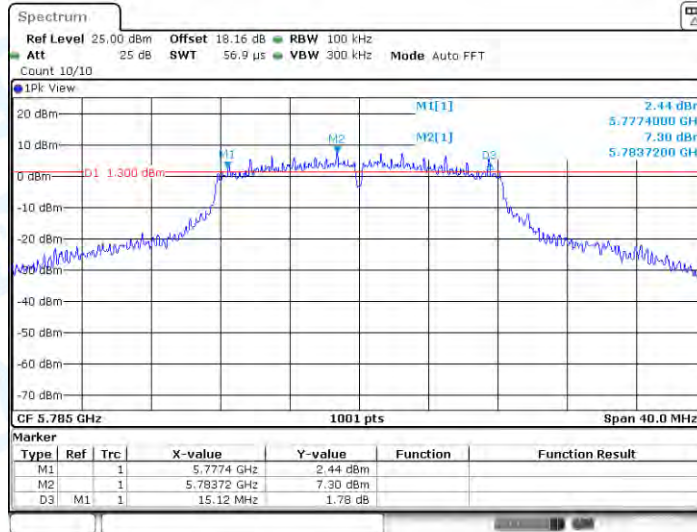
3.1. Test Result

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.12	5737.40	5752.52	0.5	PASS
	Ant2	5745	16.28	5736.84	5753.12	0.5	PASS
	Ant1	5785	15.36	5777.20	5792.56	0.5	PASS
	Ant2	5785	15.12	5777.40	5792.52	0.5	PASS
	Ant1	5825	15.68	5817.44	5833.12	0.5	PASS
	Ant2	5825	15.12	5817.40	5832.52	0.5	PASS
11N20MIMO	Ant1	5745	15.08	5737.44	5752.52	0.5	PASS
	Ant2	5745	16.52	5736.84	5753.36	0.5	PASS
	Ant1	5785	15.12	5777.40	5792.52	0.5	PASS
	Ant2	5785	16.28	5776.84	5793.12	0.5	PASS
	Ant1	5825	15.36	5817.40	5832.76	0.5	PASS
	Ant2	5825	16.32	5816.80	5833.12	0.5	PASS
11N40MIMO	Ant1	5755	35.36	5737.16	5772.52	0.5	PASS
	Ant2	5755	35.04	5737.48	5772.52	0.5	PASS
	Ant1	5795	35.12	5777.40	5812.52	0.5	PASS
	Ant2	5795	35.04	5777.48	5812.52	0.5	PASS
11AC20MIMO	Ant1	5745	16.52	5736.84	5753.36	0.5	PASS
	Ant2	5745	15.68	5737.44	5753.12	0.5	PASS
	Ant1	5785	13.88	5778.64	5792.52	0.5	PASS
	Ant2	5785	17.56	5776.20	5793.76	0.5	PASS
	Ant1	5825	17.56	5816.20	5833.76	0.5	PASS
	Ant2	5825	16.28	5816.84	5833.12	0.5	PASS
11AC40MIMO	Ant1	5755	33.84	5738.68	5772.52	0.5	PASS
	Ant2	5755	35.12	5737.40	5772.52	0.5	PASS
	Ant1	5795	35.44	5777.40	5812.84	0.5	PASS
	Ant2	5795	34.48	5778.04	5812.52	0.5	PASS
11AC80MIMO	Ant1	5775	75.20	5737.40	5812.60	0.5	PASS
	Ant2	5775	64.00	5737.40	5801.40	0.5	PASS

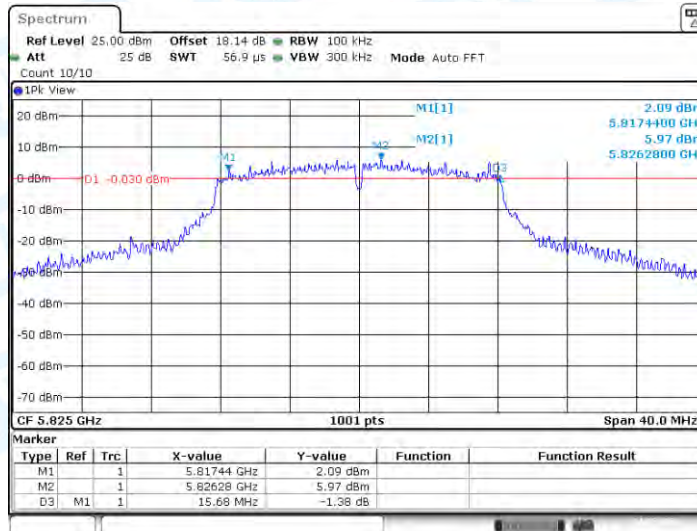
3.2. Test Graphs



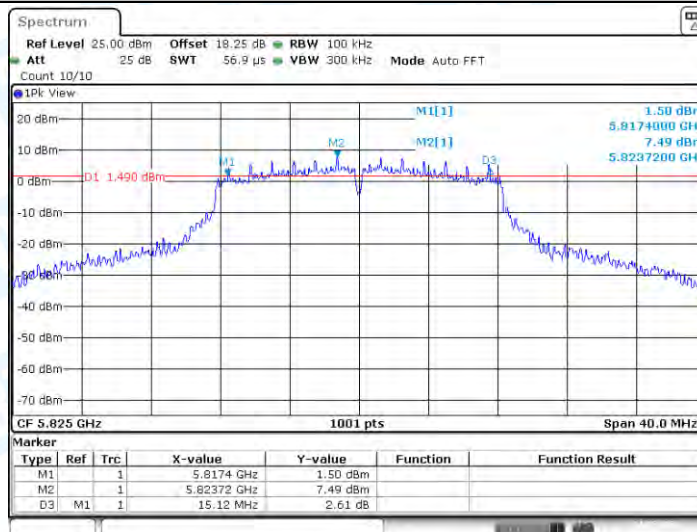
11A_Ant2_5785



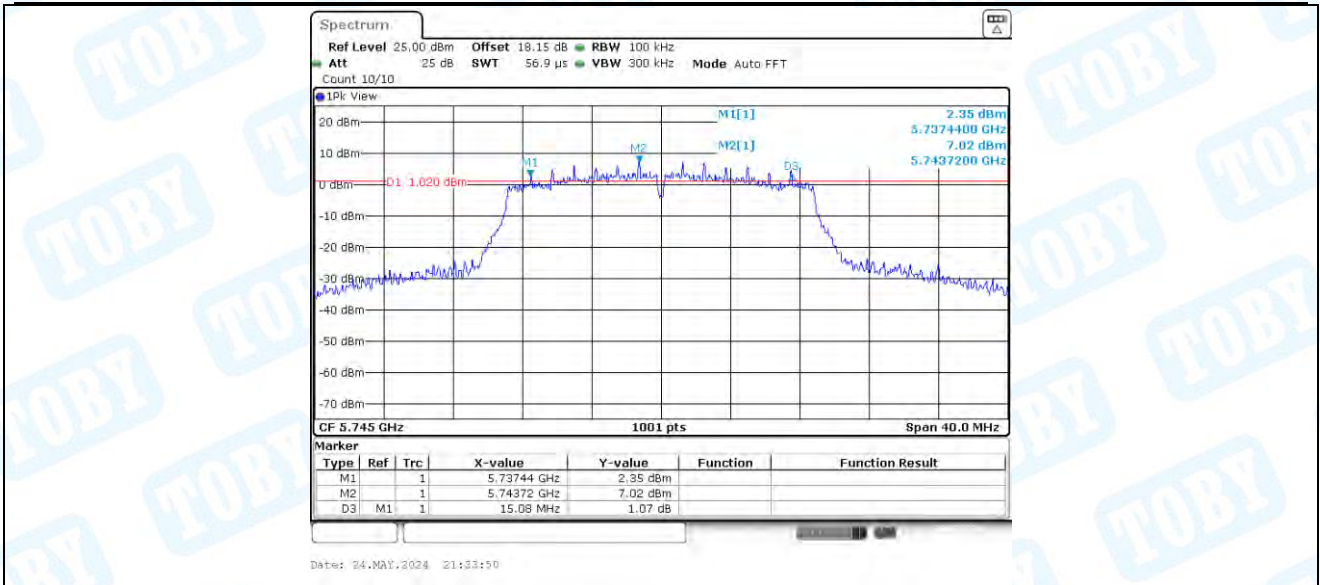
11A_Ant1_5825



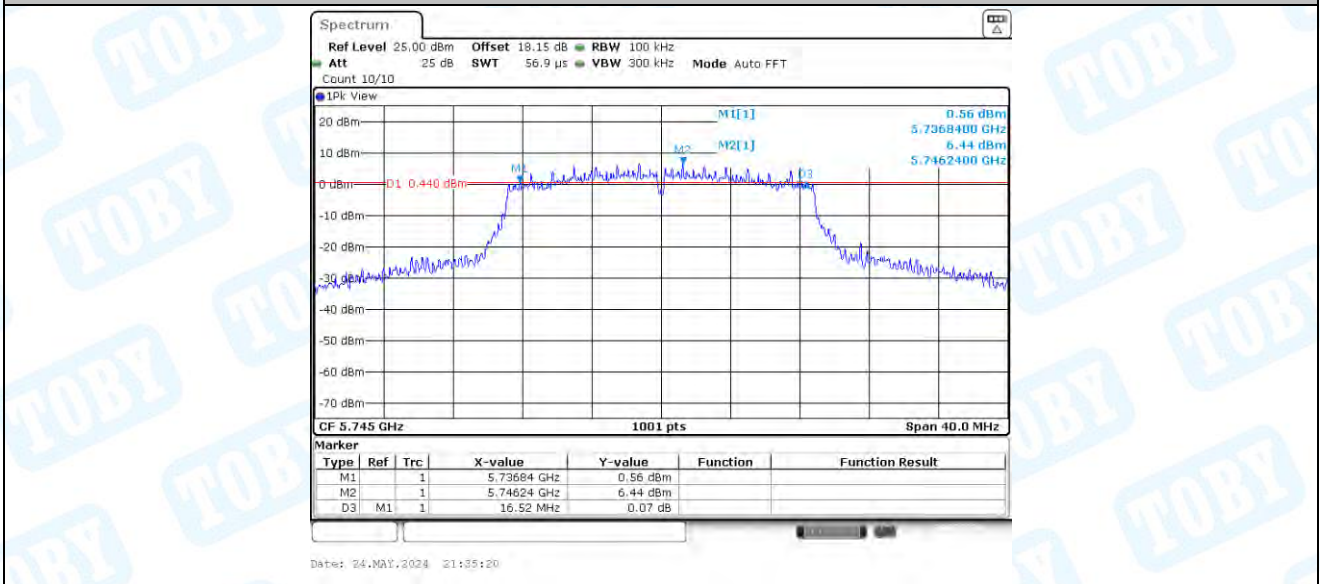
11A_Ant2_5825



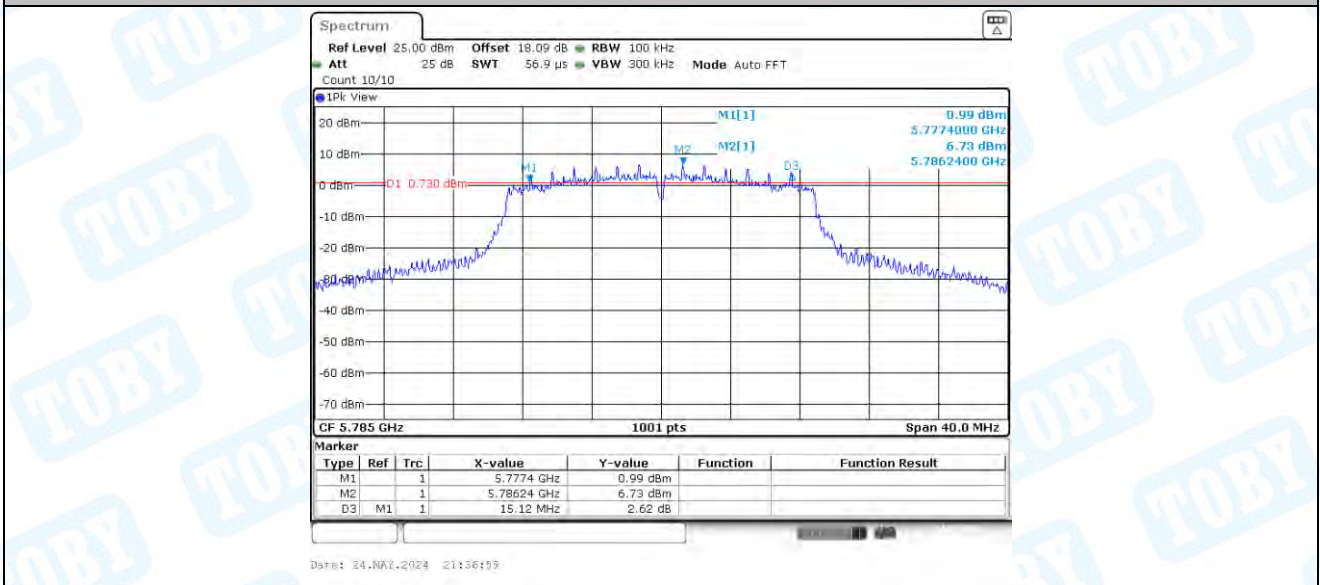
11N20MIMO_Ant1_5745



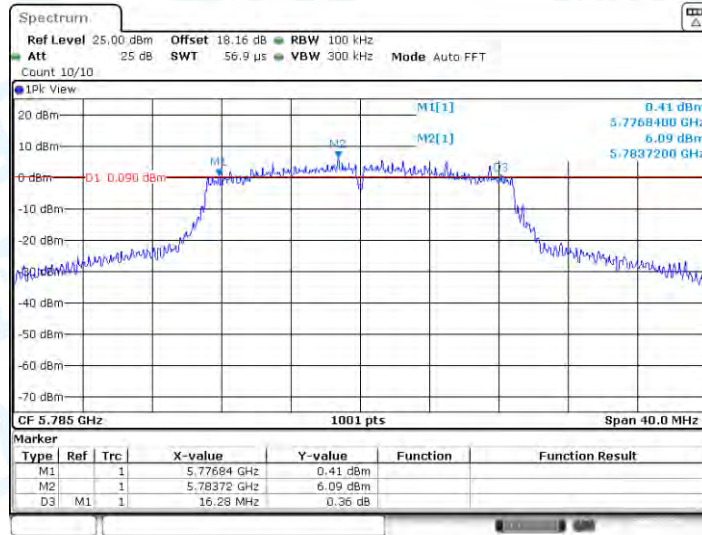
11N20MIMO_Ant2_5745



11N20MIMO_Ant1_5785

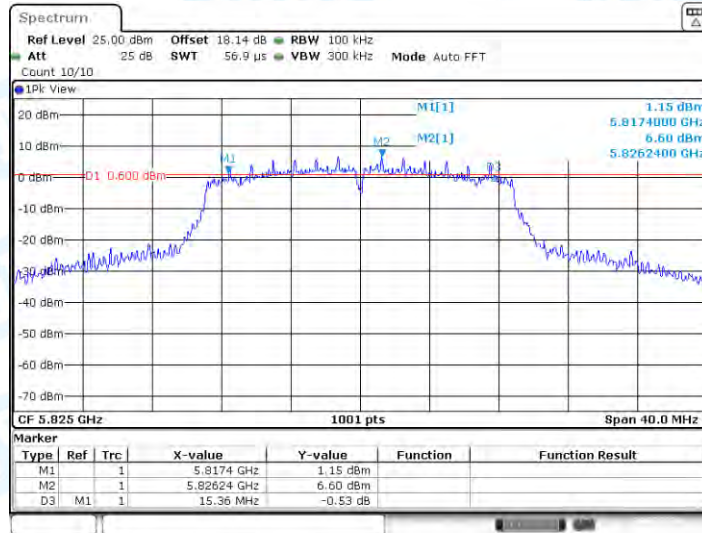


11N20MIMO_Ant2_5785



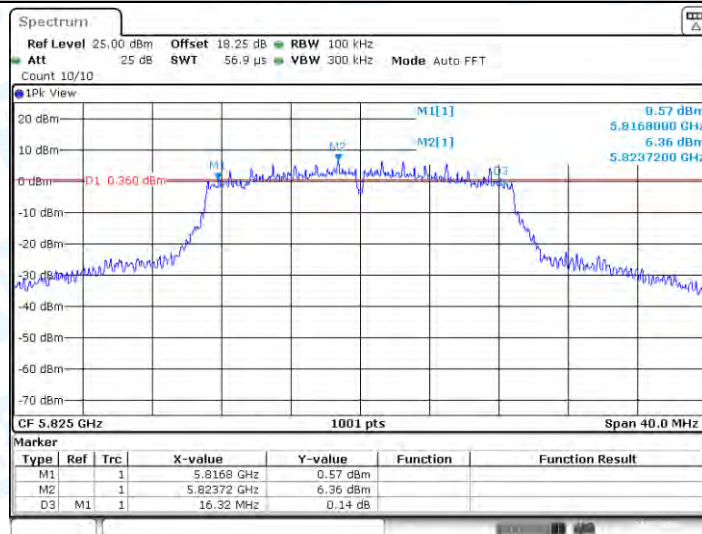
Date: 24.MAY.2024 21:38:26

11N20MIMO_Ant1_5825



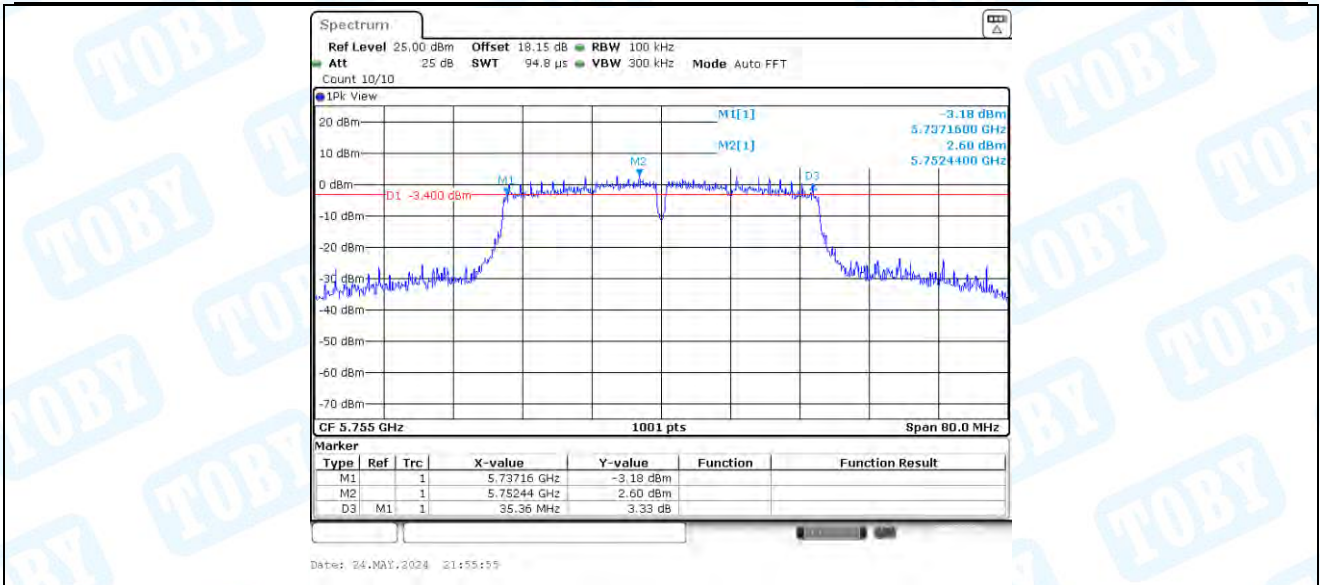
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11N20MIMO_Ant2_5825

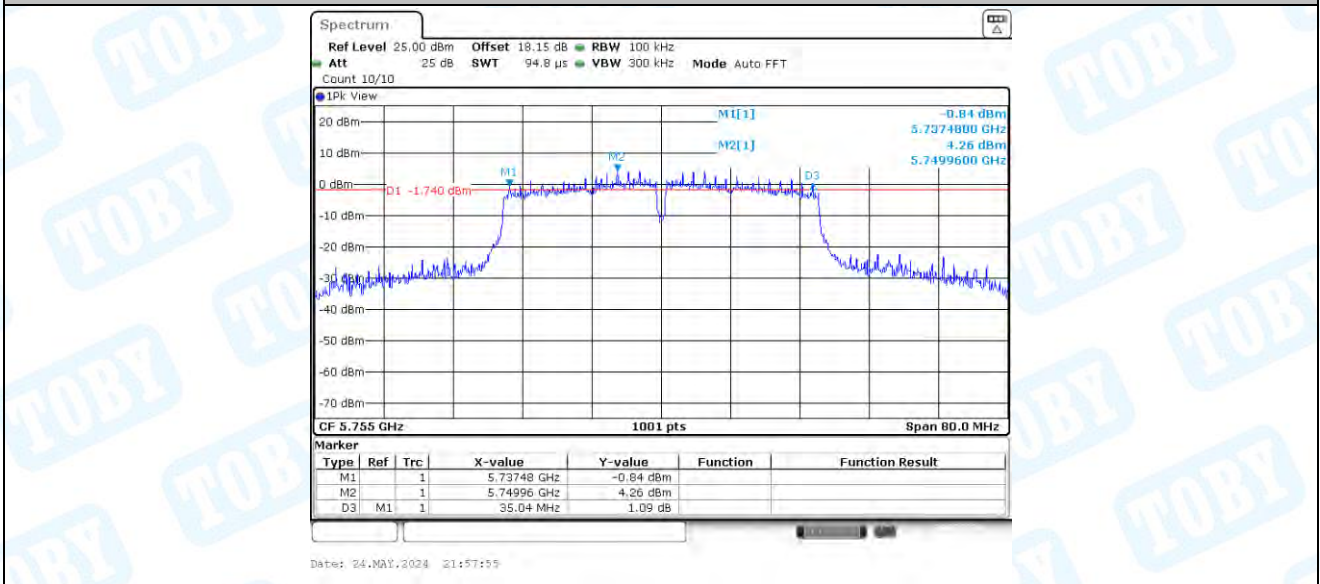


Date: 24.MAY.2024 21:41:55

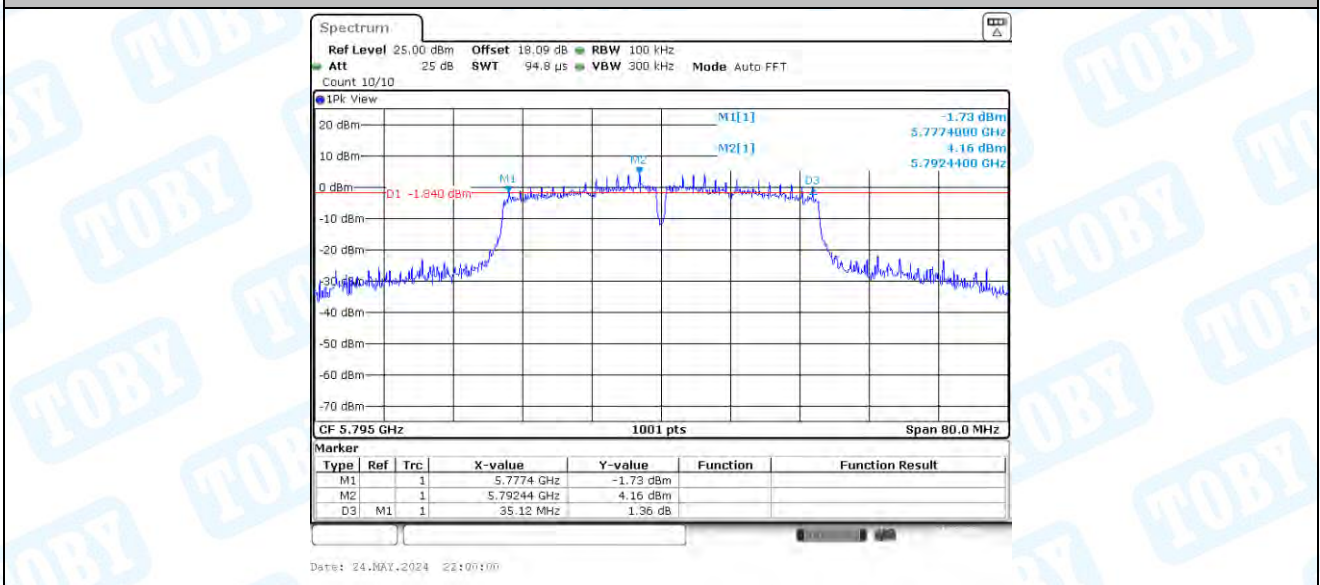
11N40MIMO_Ant1_5755



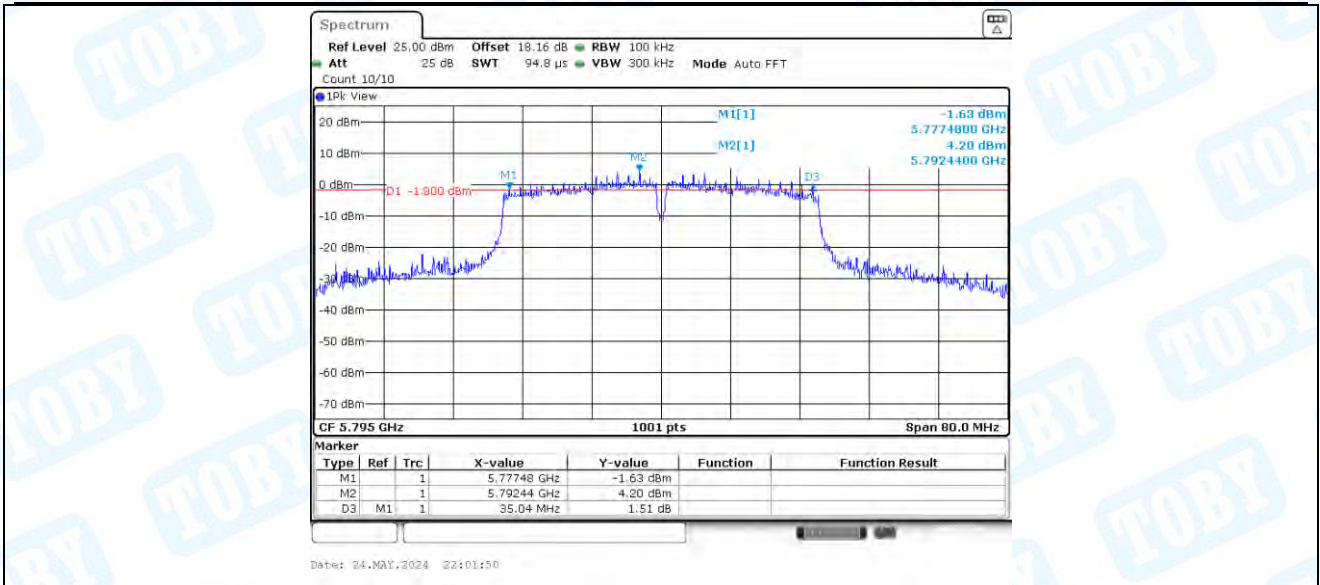
11N40MIMO_Ant2_5755



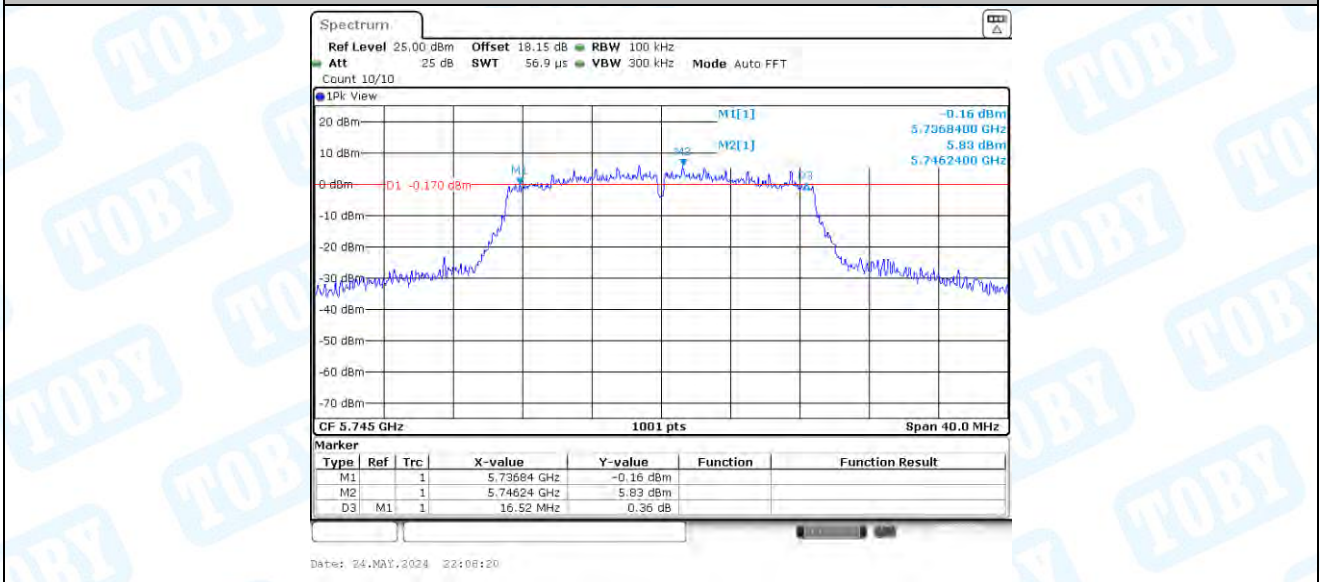
11N40MIMO_Ant1_5795



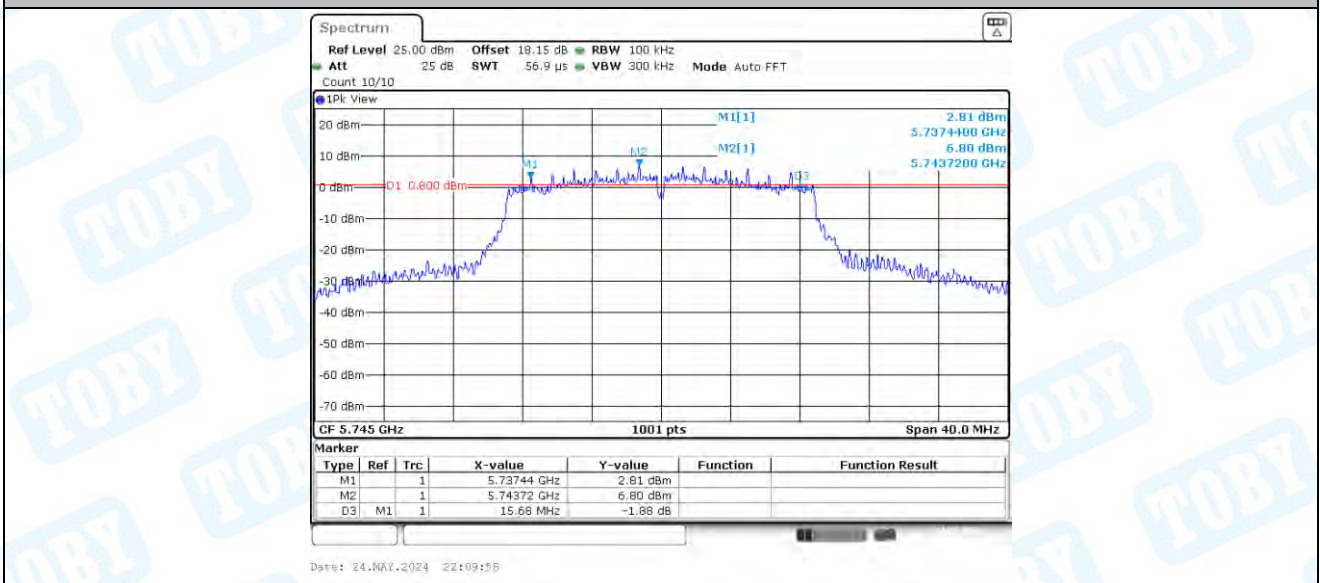
11N40MIMO_Ant2_5795



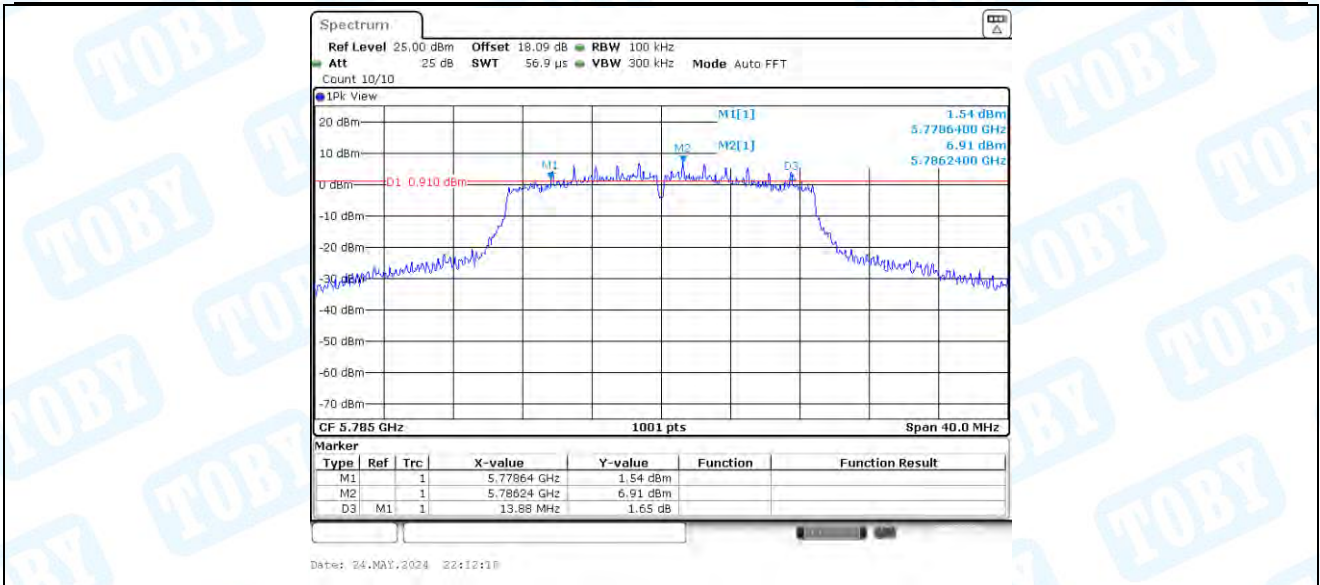
11AC20MIMO_Ant1_5745



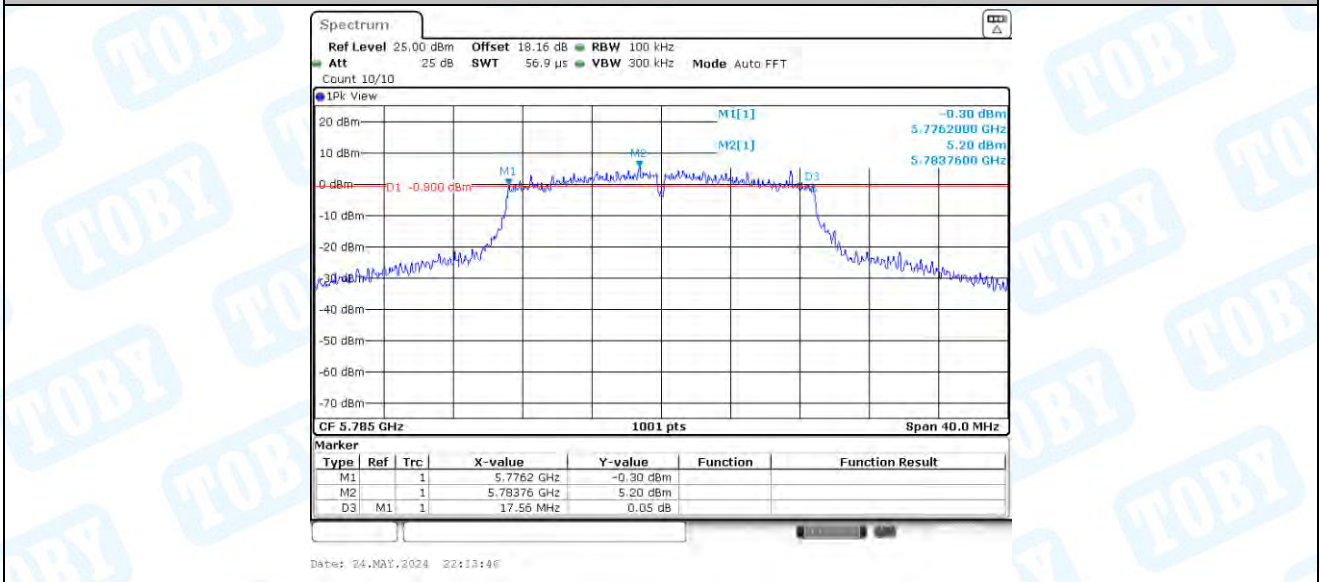
11AC20MIMO_Ant2_5745



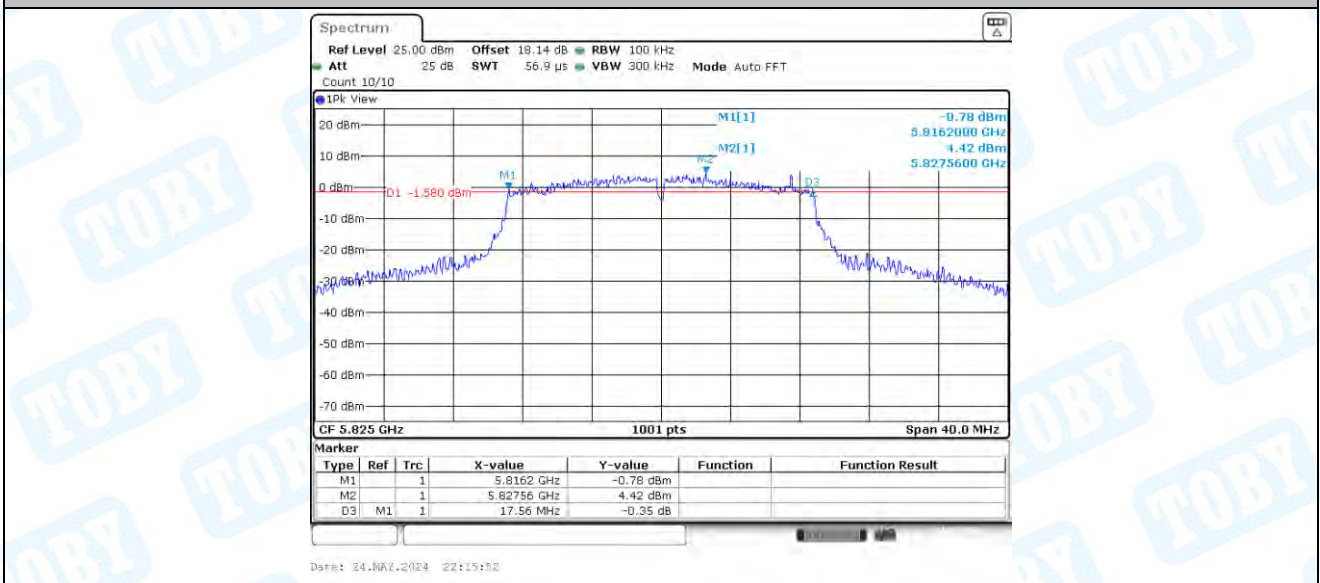
11AC20MIMO_Ant1_5785



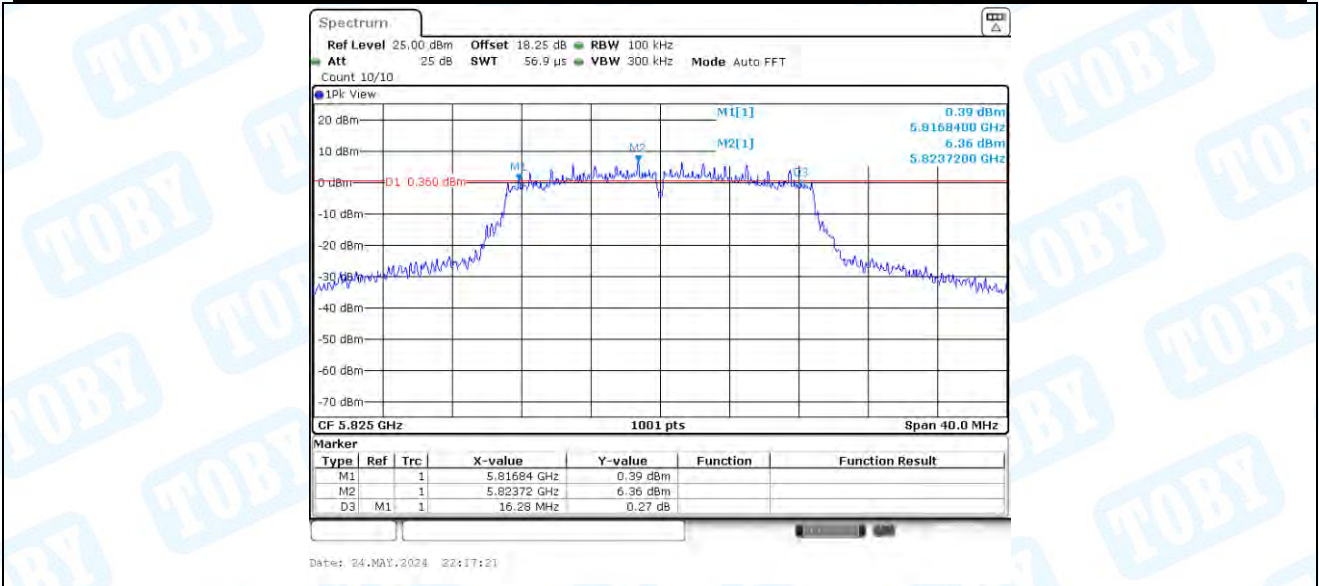
11AC20MIMO_Ant2_5785



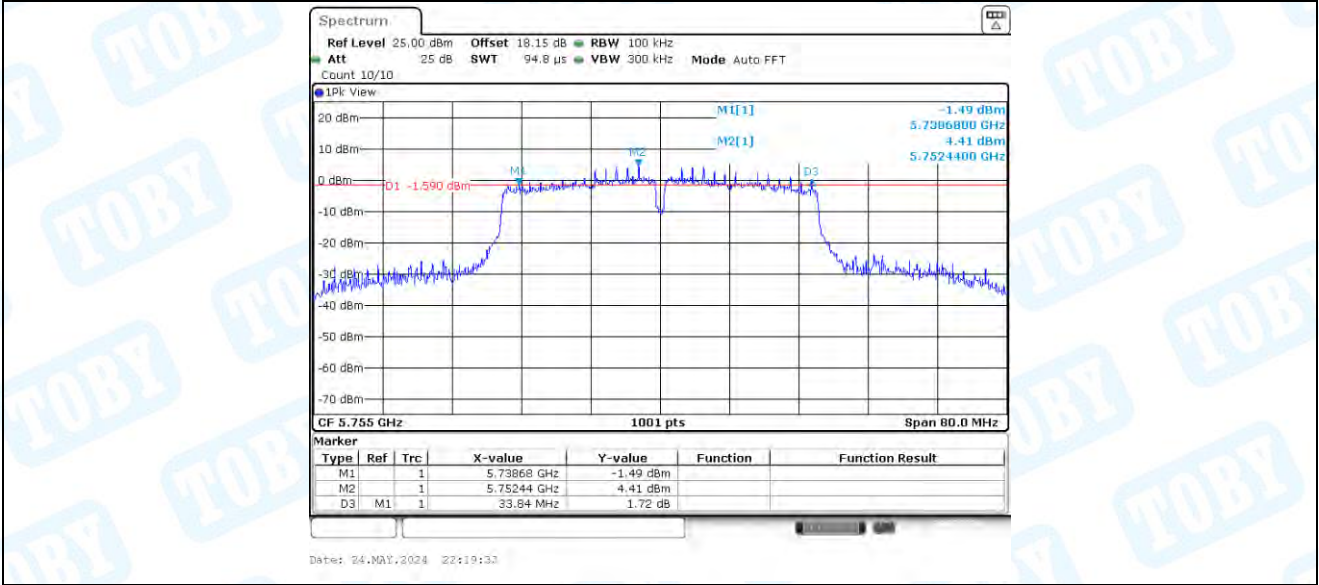
11AC20MIMO_Ant1_5825



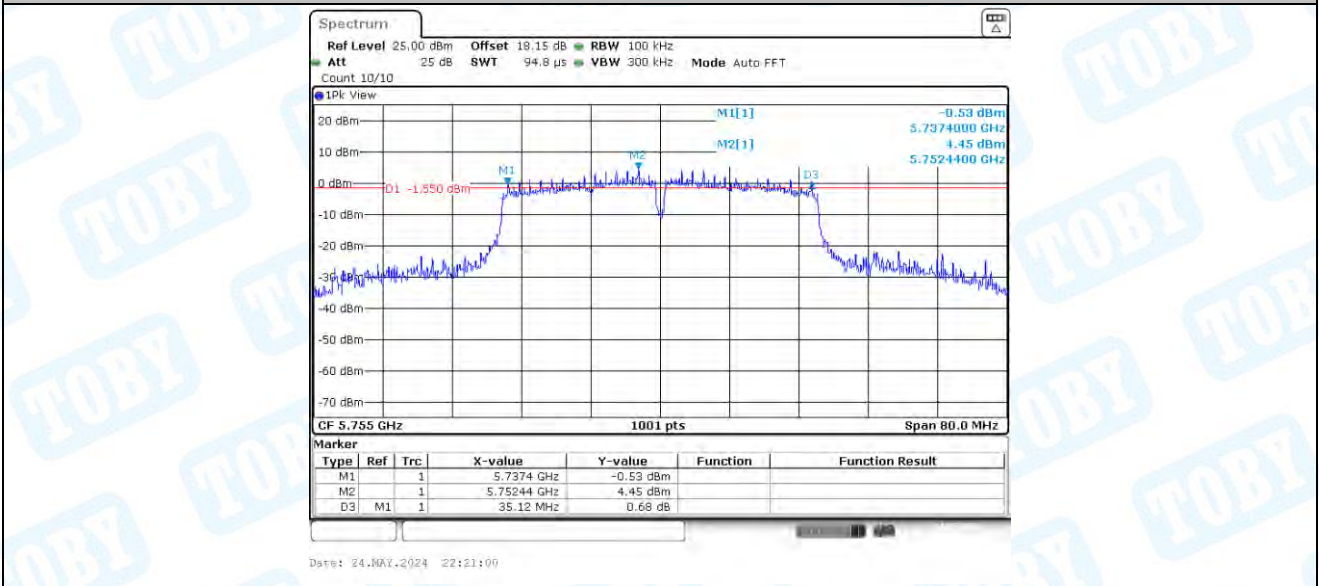
11AC20MIMO_Ant2_5825



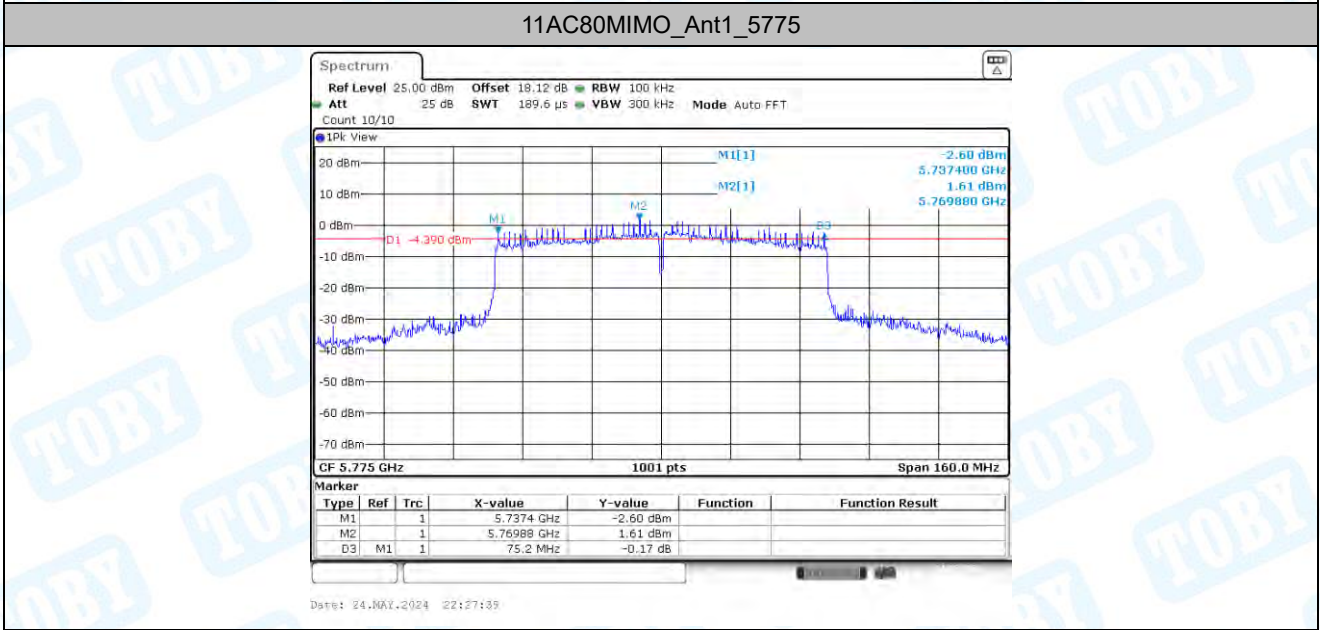
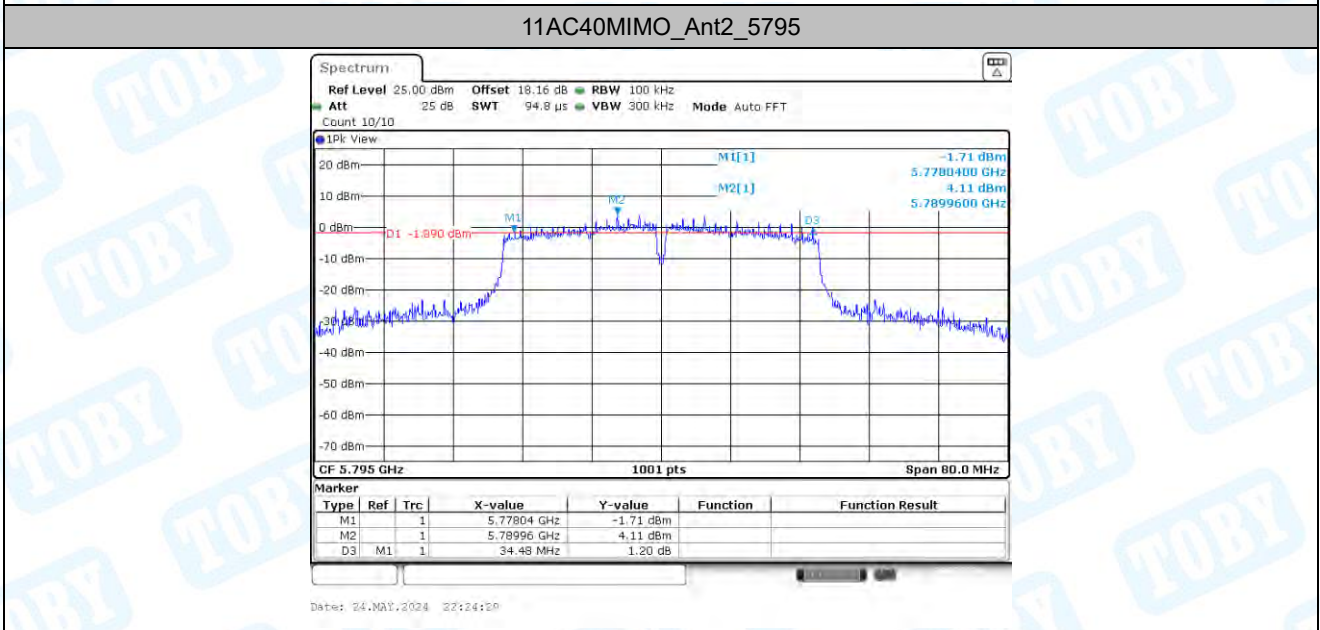
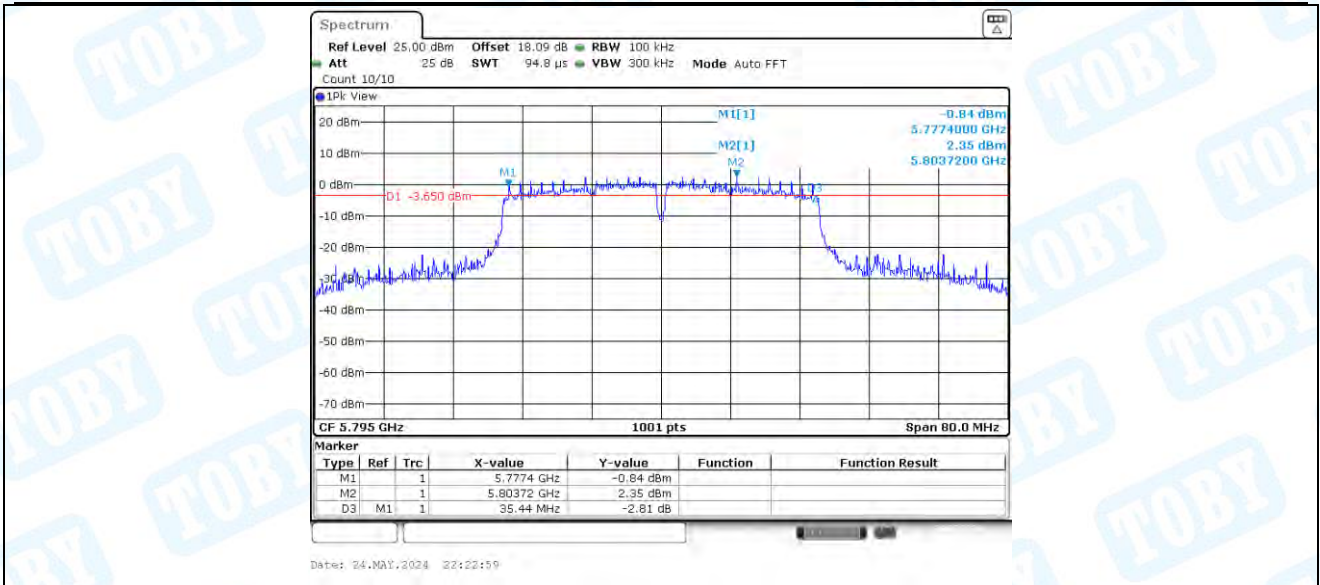
11AC40MIMO_Ant1_5755

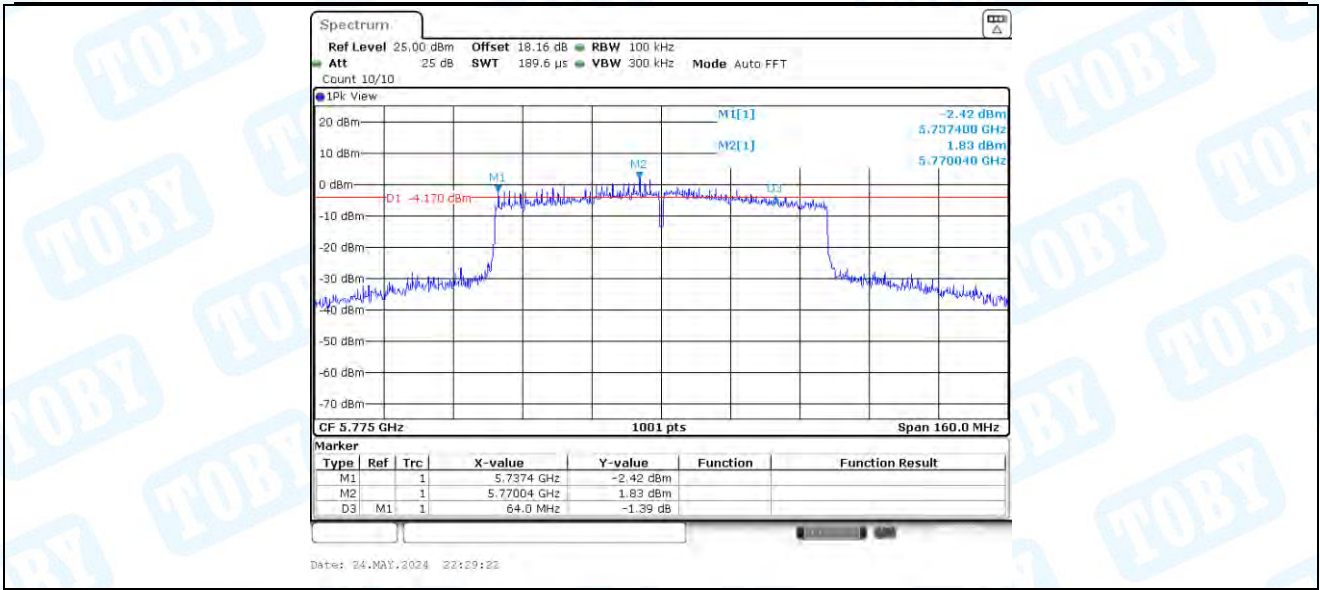


11AC40MIMO_Ant2_5755



11AC40MIMO_Ant1_5795





4. Maximum conducted output power

4.1. Test Result

U-NII-1 For IC							
TestMode	Antenna	Channel	Conducted power [dBm]	Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	13.69	---	19.46	≤22.23	PASS
	Ant2	5180	14.40	---	19.17	≤22.23	PASS
	Ant1	5200	13.55	---	19.32	≤22.23	PASS
	Ant2	5200	14.47	---	19.24	≤22.23	PASS
	Ant1	5240	13.91	---	19.68	≤22.23	PASS
	Ant2	5240	14.69	---	19.46	≤22.23	PASS
11N20MIMO	Ant1	5180	8.36	---	14.13	≤22.48	PASS
	Ant2	5180	8.43	---	13.20	≤22.48	PASS
	total	5180	11.41	---	19.70	≤22.48	PASS
	Ant1	5200	8.34	---	14.11	≤22.48	PASS
	Ant2	5200	8.43	---	13.20	≤22.48	PASS
	total	5200	11.40	---	19.69	≤22.48	PASS
	Ant1	5240	8.62	---	14.39	≤22.48	PASS
	Ant2	5240	8.73	---	13.50	≤22.48	PASS
	total	5240	11.69	---	19.98	≤22.48	PASS
11N40MIMO	Ant1	5190	11.01	---	16.78	≤23.00	PASS
	Ant2	5190	11.46	---	16.23	≤23.00	PASS
	total	5190	14.25	---	22.54	≤23.00	PASS
	Ant1	5230	11.38	---	17.15	≤23.00	PASS
	Ant2	5230	11.63	---	16.40	≤23.00	PASS
	total	5230	14.52	---	22.81	≤23.00	PASS
11AC20MIMO	Ant1	5180	8.37	---	14.14	≤22.48	PASS
	Ant2	5180	8.41	---	13.18	≤22.48	PASS
	total	5180	11.40	---	19.69	≤22.48	PASS
	Ant1	5200	8.07	---	13.84	≤22.48	PASS
	Ant2	5200	8.53	---	13.30	≤22.48	PASS
	total	5200	11.32	---	19.61	≤22.48	PASS
	Ant1	5240	8.46	---	14.23	≤22.48	PASS
	Ant2	5240	8.77	---	13.54	≤22.48	PASS
	total	5240	11.63	---	19.92	≤22.48	PASS
11AC40MIMO	Ant1	5190	11.18	---	16.95	≤23.00	PASS
	Ant2	5190	11.57	---	16.34	≤23.00	PASS
	total	5190	14.39	---	22.68	≤23.00	PASS
	Ant1	5230	11.37	---	17.14	≤23.00	PASS
	Ant2	5230	11.84	---	16.61	≤23.00	PASS
	total	5230	14.62	---	22.91	≤23.00	PASS
11AC80MIMO	Ant1	5210	11.02	---	16.79	≤23.00	PASS
	Ant2	5210	11.43	---	16.20	≤23.00	PASS
	total	5210	14.24	---	22.53	≤23.00	PASS

U-NII-1 for FCC & U-NII-2A&2C&3 for FCC and IC								
TestMode	Antenna	Channel	Conducted power [dBm]	Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict	
11A	Ant1	5180	16.59	≤24.00	22.36	---	PASS	
	Ant2	5180	16.43	≤24.00	21.20	---	PASS	
	Ant1	5200	16.24	≤24.00	22.01	---	PASS	
	Ant2	5200	16.52	≤24.00	21.29	---	PASS	
	Ant1	5240	16.52	≤24.00	22.29	---	PASS	
	Ant2	5240	17.00	≤24.00	21.77	---	PASS	
	Ant1	5260	17.30	≤23.23	23.20	≤30.00	PASS	
	Ant2	5260	17.59	≤23.23	22.63	≤30.00	PASS	
	Ant1	5280	17.53	≤23.23	23.43	≤30.00	PASS	
	Ant2	5280	17.77	≤23.23	22.81	≤30.00	PASS	
	Ant1	5320	17.82	≤23.23	23.72	≤30.00	PASS	
	Ant2	5320	18.05	≤23.23	23.09	≤30.00	PASS	
	Ant1	5500	16.51	≤23.27	22.11	≤30.00	PASS	
	Ant2	5500	16.48	≤23.27	21.56	≤30.00	PASS	
	Ant1	5580	16.64	≤23.27	22.24	≤30.00	PASS	
	Ant2	5580	16.97	≤23.27	22.05	≤30.00	PASS	
	Ant1	5720_UNII-2C	15.36	≤23.27	20.96	≤30.00	PASS	
	Ant2	5720_UNII-2C	14.94	≤23.27	20.02	≤30.00	PASS	
	Ant1	5720_UNII-3	7.66	≤30.00	13.08	≤30.00	PASS	
	Ant2	5720_UNII-3	7.22	≤30.00	11.72	≤30.00	PASS	
	Ant1	5745	17.07	≤30.00	22.49	≤30.00	PASS	
	Ant2	5745	17.11	≤30.00	21.61	≤30.00	PASS	
	Ant1	5785	16.93	≤30.00	22.35	≤30.00	PASS	
	Ant2	5785	17.05	≤30.00	21.55	≤30.00	PASS	
	Ant1	5825	16.83	≤30.00	22.25	≤30.00	PASS	
	Ant2	5825	16.85	≤30.00	21.35	≤30.00	PASS	
	11N20MIMO	Ant1	5180	15.03	≤24.00	20.80	---	PASS
		Ant2	5180	14.96	≤24.00	19.73	---	PASS
		total	5180	18.01	≤21.71	26.30	---	PASS
		Ant1	5200	14.79	≤24.00	20.56	---	PASS
Ant2		5200	15.06	≤24.00	19.83	---	PASS	
total		5200	17.94	≤21.71	26.23	---	PASS	
Ant1		5240	15.06	≤24.00	20.83	---	PASS	
Ant2		5240	15.52	≤24.00	20.29	---	PASS	
total		5240	18.31	≤21.71	26.60	---	PASS	
Ant1		5260	14.78	≤23.47	20.68	≤30.00	PASS	
Ant2		5260	15.27	≤23.47	20.31	≤30.00	PASS	
total		5260	18.04	≤20.98	26.53	≤30.00	PASS	
Ant1		5280	14.98	≤23.47	20.88	≤30.00	PASS	
Ant2		5280	15.22	≤23.47	20.26	≤30.00	PASS	
total		5280	18.11	≤20.98	26.60	≤30.00	PASS	
Ant1		5320	15.25	≤23.47	21.15	≤30.00	PASS	
Ant2		5320	15.55	≤23.47	20.59	≤30.00	PASS	
total		5320	18.41	≤20.98	26.90	≤30.00	PASS	
Ant1		5500	14.88	≤23.50	20.48	≤30.00	PASS	
Ant2		5500	15.09	≤23.50	20.17	≤30.00	PASS	
total		5500	18.00	≤21.15	26.35	≤30.00	PASS	
Ant1		5580	15.32	≤23.50	20.92	≤30.00	PASS	
Ant2		5580	15.54	≤23.50	20.62	≤30.00	PASS	
total		5580	18.44	≤21.15	26.79	≤30.00	PASS	
Ant1		5720_UNII-2C	13.19	≤23.50	18.79	≤30.00	PASS	
Ant2		5720_UNII-2C	12.94	≤23.50	18.02	≤30.00	PASS	
total		5720_UNII-2C	16.08	≤21.15	24.43	≤30.00	PASS	

11N40MIMO	Ant1	5720_UNII-3	6.08	≤30.00	11.50	≤30.00	PASS
	Ant2	5720_UNII-3	5.92	≤30.00	10.42	≤30.00	PASS
	total	5720_UNII-3	9.01	≤28.02	16.99	≤30.00	PASS
	Ant1	5745	15.97	≤30.00	21.39	≤30.00	PASS
	Ant2	5745	16.20	≤30.00	20.70	≤30.00	PASS
	total	5745	19.10	≤28.02	27.08	≤30.00	PASS
	Ant1	5785	15.87	≤30.00	21.29	≤30.00	PASS
	Ant2	5785	15.97	≤30.00	20.47	≤30.00	PASS
	total	5785	18.93	≤28.02	26.91	≤30.00	PASS
	Ant1	5825	15.74	≤30.00	21.16	≤30.00	PASS
	Ant2	5825	15.72	≤30.00	20.22	≤30.00	PASS
	total	5825	18.74	≤28.02	26.72	≤30.00	PASS
	Ant1	5190	15.50	≤24.00	21.27	---	PASS
	Ant2	5190	15.66	≤24.00	20.43	---	PASS
	total	5190	18.59	≤21.71	26.88	---	PASS
Ant1	5230	15.73	≤24.00	21.50	---	PASS	
Ant2	5230	15.99	≤24.00	20.76	---	PASS	
total	5230	18.87	≤21.71	27.16	---	PASS	
Ant1	5270	16.01	≤24.00	21.91	≤30.00	PASS	
Ant2	5270	16.45	≤24.00	21.49	≤30.00	PASS	
total	5270	19.25	≤21.51	27.74	≤30.00	PASS	
Ant1	5310	16.42	≤24.00	22.32	≤30.00	PASS	
Ant2	5310	16.61	≤24.00	21.65	≤30.00	PASS	
total	5310	19.53	≤21.51	28.02	≤30.00	PASS	
Ant1	5510	15.54	≤24.00	21.14	≤30.00	PASS	
Ant2	5510	15.81	≤24.00	20.89	≤30.00	PASS	
total	5510	18.69	≤21.65	27.04	≤30.00	PASS	
Ant1	5550	15.62	≤24.00	21.22	≤30.00	PASS	
Ant2	5550	16.06	≤24.00	21.14	≤30.00	PASS	
total	5550	18.86	≤21.65	27.21	≤30.00	PASS	
Ant1	5710_UNII-2C	13.84	≤24.00	19.44	≤30.00	PASS	
Ant2	5710_UNII-2C	13.48	≤24.00	18.56	≤30.00	PASS	
total	5710_UNII-2C	16.67	≤21.65	25.02	≤30.00	PASS	
Ant1	5710_UNII-3	2.35	≤30.00	7.77	≤30.00	PASS	
Ant2	5710_UNII-3	1.55	≤30.00	6.05	≤30.00	PASS	
total	5710_UNII-3	4.98	≤28.02	12.96	≤30.00	PASS	
Ant1	5755	16.02	≤30.00	21.44	≤30.00	PASS	
Ant2	5755	16.27	≤30.00	20.77	≤30.00	PASS	
total	5755	19.16	≤28.02	27.14	≤30.00	PASS	
Ant1	5795	16.25	≤30.00	21.67	≤30.00	PASS	
Ant2	5795	16.27	≤30.00	20.77	≤30.00	PASS	
total	5795	19.27	≤28.02	27.25	≤30.00	PASS	
11AC20MIMO O	Ant1	5180	14.94	≤24.00	20.71	---	PASS
	Ant2	5180	15.14	≤24.00	19.91	---	PASS
	total	5180	18.05	≤21.71	26.34	---	PASS
	Ant1	5200	14.86	≤24.00	20.63	---	PASS
	Ant2	5200	15.21	≤24.00	19.98	---	PASS
	total	5200	18.05	≤21.71	26.34	---	PASS
	Ant1	5240	15.10	≤24.00	20.87	---	PASS
	Ant2	5240	15.55	≤24.00	20.32	---	PASS
	total	5240	18.34	≤21.71	26.63	---	PASS
	Ant1	5260	14.90	≤23.50	20.80	≤30.00	PASS
	Ant2	5260	15.21	≤23.50	20.25	≤30.00	PASS
	total	5260	18.07	≤21.15	26.56	≤30.00	PASS
	Ant1	5280	14.92	≤23.50	20.82	≤30.00	PASS
	Ant2	5280	15.23	≤23.50	20.27	≤30.00	PASS
	total	5280	18.09	≤21.15	26.58	≤30.00	PASS
Ant1	5320	15.22	≤23.50	21.12	≤30.00	PASS	

	Ant2	5320	15.57	≤23.50	20.61	≤30.00	PASS
	total	5320	18.41	≤21.15	26.90	≤30.00	PASS
	Ant1	5500	13.31	≤23.49	18.91	≤30.00	PASS
	Ant2	5500	13.39	≤23.49	18.47	≤30.00	PASS
	total	5500	16.36	≤21.14	24.71	≤30.00	PASS
	Ant1	5580	15.22	≤23.49	20.82	≤30.00	PASS
	Ant2	5580	15.43	≤23.49	20.51	≤30.00	PASS
	total	5580	18.34	≤21.14	26.69	≤30.00	PASS
	Ant1	5720_UNII-2C	13.24	≤23.49	18.84	≤30.00	PASS
	Ant2	5720_UNII-2C	12.92	≤23.49	18.00	≤30.00	PASS
	total	5720_UNII-2C	16.09	≤21.14	24.44	≤30.00	PASS
	Ant1	5720_UNII-3	6.23	≤30.00	11.65	≤30.00	PASS
	Ant2	5720_UNII-3	5.85	≤30.00	10.35	≤30.00	PASS
	total	5720_UNII-3	9.05	≤28.02	17.03	≤30.00	PASS
	Ant1	5745	15.92	≤30.00	21.34	≤30.00	PASS
	Ant2	5745	16.28	≤30.00	20.78	≤30.00	PASS
	total	5745	19.11	≤28.02	27.09	≤30.00	PASS
	Ant1	5785	15.83	≤30.00	21.25	≤30.00	PASS
	Ant2	5785	15.89	≤30.00	20.39	≤30.00	PASS
	total	5785	18.87	≤28.02	26.85	≤30.00	PASS
	Ant1	5825	15.57	≤30.00	20.99	≤30.00	PASS
	Ant2	5825	15.66	≤30.00	20.16	≤30.00	PASS
	total	5825	18.63	≤28.02	26.61	≤30.00	PASS
	Ant1	5190	15.44	≤24.00	21.21	---	PASS
	Ant2	5190	15.71	≤24.00	20.48	---	PASS
	total	5190	18.59	≤21.71	26.88	---	PASS
	Ant1	5230	15.56	≤24.00	21.33	---	PASS
	Ant2	5230	15.99	≤24.00	20.76	---	PASS
	total	5230	18.79	≤21.71	27.08	---	PASS
	Ant1	5270	16.02	≤24.00	21.92	≤30.00	PASS
	Ant2	5270	16.35	≤24.00	21.39	≤30.00	PASS
	total	5270	19.20	≤21.51	27.69	≤30.00	PASS
	Ant1	5310	16.38	≤24.00	22.28	≤30.00	PASS
	Ant2	5310	16.53	≤24.00	21.57	≤30.00	PASS
	total	5310	19.47	≤21.51	27.96	≤30.00	PASS
	Ant1	5510	15.59	≤24.00	21.19	≤30.00	PASS
	Ant2	5510	15.72	≤24.00	20.80	≤30.00	PASS
	total	5510	18.67	≤21.65	27.02	≤30.00	PASS
11AC40MIM O	Ant1	5550	15.76	≤24.00	21.36	≤30.00	PASS
	Ant2	5550	16.04	≤24.00	21.12	≤30.00	PASS
	total	5550	18.91	≤21.65	27.26	≤30.00	PASS
	Ant1	5710_UNII-2C	13.81	≤24.00	19.41	≤30.00	PASS
	Ant2	5710_UNII-2C	13.65	≤24.00	18.73	≤30.00	PASS
	total	5710_UNII-2C	16.74	≤21.65	25.09	≤30.00	PASS
	Ant1	5710_UNII-3	2.13	≤30.00	7.55	≤30.00	PASS
	Ant2	5710_UNII-3	1.76	≤30.00	6.26	≤30.00	PASS
	total	5710_UNII-3	4.96	≤28.02	12.94	≤30.00	PASS
	Ant1	5755	16.17	≤30.00	21.59	≤30.00	PASS
	Ant2	5755	16.35	≤30.00	20.85	≤30.00	PASS
	total	5755	19.27	≤28.02	27.25	≤30.00	PASS
	Ant1	5795	16.30	≤30.00	21.72	≤30.00	PASS
	Ant2	5795	16.19	≤30.00	20.69	≤30.00	PASS
	total	5795	19.26	≤28.02	27.24	≤30.00	PASS
11AC80MIM O	Ant1	5210	15.32	≤24.00	21.09	---	PASS
	Ant2	5210	15.91	≤24.00	20.68	---	PASS
	total	5210	18.64	≤21.71	26.93	---	PASS
	Ant1	5290	16.18	≤24.00	22.08	≤30.00	PASS
	Ant2	5290	16.37	≤24.00	21.41	≤30.00	PASS

total	5290	19.29	≤21.51	27.78	≤30.00	PASS
Ant1	5530	15.55	≤24.00	21.15	≤30.00	PASS
Ant2	5530	15.61	≤24.00	20.69	≤30.00	PASS
total	5530	18.59	≤21.65	26.94	≤30.00	PASS
Ant1	5610	16.09	≤24.00	21.69	≤30.00	PASS
Ant2	5610	16.43	≤24.00	21.51	≤30.00	PASS
total	5610	19.27	≤21.65	27.62	≤30.00	PASS
Ant1	5690_UNII-2C	12.43	≤24.00	18.03	≤30.00	PASS
Ant2	5690_UNII-2C	12.54	≤24.00	17.62	≤30.00	PASS
total	5690_UNII-2C	15.50	≤21.65	23.85	≤30.00	PASS
Ant1	5690_UNII-3	-1.14	≤30.00	4.28	≤30.00	PASS
Ant2	5690_UNII-3	-1.28	≤30.00	3.22	≤30.00	PASS
total	5690_UNII-3	1.80	≤28.02	9.78	≤30.00	PASS
Ant1	5775	16.16	≤30.00	21.58	≤30.00	PASS
Ant2	5775	16.22	≤30.00	20.72	≤30.00	PASS
total	5775	19.20	≤28.02	27.18	≤30.00	PASS

Note: 1, This module will use two different Wi-Fi antennas, and only the one with the larger antenna gain (**Antenna1: U-NII-1:5.77dBi; U-NII-2A:5.90dBi; U-NII-2C:5.60dBi; U-NII-3:5.42dBi, Antenna2: U-NII-1:4.77dBi; U-NII-2A:5.04dBi; U-NII-2C:5.08dBi; U-NII-3:4.50dBi**) will be used for conducted test.

2, For MIMO Mode, Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2]$

Directional Gain = 8.29dBi > 6dBi. For U-NII-1

Directional Gain = 8.49dBi > 6dBi. For U-NII-2A

Directional Gain = 8.35dBi > 6dBi. For U-NII-2C

Directional Gain = 7.98dBi > 6dBi. For U-NII-3

So Pout = Plimit - (G_{TX} - 6) = (24.00 - 2.29)dBm = 21.71dBm For U-NII-1: 5180MHz-5260MHz

So Pout = Plimit - (G_{TX} - 6) = (24.00 - 2.46)dBm = 21.51dBm For U-NII-2A: 5260MHz-5320MHz

So Pout = Plimit - (G_{TX} - 6) = (24.00 - 2.35)dBm = 21.65dBm For U-NII-2C: 5500MHz-5720MHz

So Pout = Plimit - (G_{TX} - 6) = (30.00 - 1.98)dBm = 28.02dBm For U-NII-3: 5745MHz-5825MHz

3, The Duty Cycle Factor is compensated in the graph.

5. Maximum power spectral density

5.1. Test Result

U-NII-1 for IC							
TestMode	Antenna	Channel	Power [dBm/MHz]	Limit [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	3.87	---	9.64	≤10.00	PASS
	Ant2	5180	4.20	---	8.97	≤10.00	PASS
	Ant1	5200	3.79	---	9.56	≤10.00	PASS
	Ant2	5200	4.47	---	9.24	≤10.00	PASS
	Ant1	5240	3.93	---	9.70	≤10.00	PASS
	Ant2	5240	4.75	---	9.52	≤10.00	PASS
11N20MIMO	Ant1	5180	-1.70	---	4.07	≤10.00	PASS
	Ant2	5180	-1.92	---	2.85	≤10.00	PASS
	total	5180	1.20	---	9.49	≤10.00	PASS
	Ant1	5200	-1.80	---	3.97	≤10.00	PASS
	Ant2	5200	-1.67	---	3.10	≤10.00	PASS
	total	5200	1.28	---	9.57	≤10.00	PASS
	Ant1	5240	-1.63	---	4.14	≤10.00	PASS
	Ant2	5240	-1.48	---	3.29	≤10.00	PASS
total	5240	1.46	---	9.75	≤10.00	PASS	
11N40MIMO	Ant1	5190	-1.97	---	3.80	≤10.00	PASS
	Ant2	5190	-1.73	---	3.04	≤10.00	PASS
	total	5190	1.16	---	9.45	≤10.00	PASS
	Ant1	5230	-1.85	---	3.92	≤10.00	PASS
	Ant2	5230	-1.59	---	3.18	≤10.00	PASS
	total	5230	1.29	---	9.58	≤10.00	PASS
11AC20MIMO	Ant1	5180	-1.54	---	4.23	≤10.00	PASS
	Ant2	5180	-1.84	---	2.93	≤10.00	PASS
	total	5180	1.32	---	9.61	≤10.00	PASS
	Ant1	5200	-1.80	---	3.97	≤10.00	PASS
	Ant2	5200	-1.61	---	3.16	≤10.00	PASS
	total	5200	1.31	---	9.60	≤10.00	PASS
	Ant1	5240	-1.61	---	4.16	≤10.00	PASS
	Ant2	5240	-1.42	---	3.35	≤10.00	PASS
total	5240	1.50	---	9.79	≤10.00	PASS	
11AC40MIMO	Ant1	5190	-1.59	---	4.18	≤10.00	PASS
	Ant2	5190	-1.56	---	3.21	≤10.00	PASS
	total	5190	1.44	---	9.73	≤10.00	PASS
	Ant1	5230	-1.73	---	4.04	≤10.00	PASS
	Ant2	5230	-1.58	---	3.19	≤10.00	PASS
	total	5230	1.36	---	9.65	≤10.00	PASS
11AC80MIMO	Ant1	5210	-4.92	---	0.85	≤10.00	PASS
	Ant2	5210	-4.75	---	0.02	≤10.00	PASS
	total	5210	-1.82	---	6.47	≤10.00	PASS

5.2. Test Result

U-NII-1 for FCC & U-NII-2A&2C&3 for FCC and IC						
TestMode	Antenna	Channel	Power [dBm/MHz] [dBm/500kHz]	Limit [dBm/MHz] [dBm/500kHz]	Verdict	
11A	Ant1	5180	6.70	≤11.00	PASS	
	Ant2	5180	6.58	≤11.00	PASS	
	Ant1	5200	6.55	≤11.00	PASS	
	Ant2	5200	6.68	≤11.00	PASS	
	Ant1	5240	6.67	≤11.00	PASS	
	Ant2	5240	7.07	≤11.00	PASS	
	Ant1	5260	7.31	≤11.00	PASS	
	Ant2	5260	7.64	≤11.00	PASS	
	Ant1	5280	7.31	≤11.00	PASS	
	Ant2	5280	7.39	≤11.00	PASS	
	Ant1	5320	7.79	≤11.00	PASS	
	Ant2	5320	8.08	≤11.00	PASS	
	Ant1	5500	6.71	≤11.00	PASS	
	Ant2	5500	6.74	≤11.00	PASS	
	Ant1	5580	6.85	≤11.00	PASS	
	Ant2	5580	7.25	≤11.00	PASS	
	Ant1	5720 UNII-2C	7.76	≤11.00	PASS	
	Ant2	5720 UNII-2C	7.41	≤11.00	PASS	
	Ant1	5720 UNII-3	3.02	≤30.00	PASS	
	Ant2	5720 UNII-3	2.55	≤30.00	PASS	
	Ant1	5745	5.04	≤30.00	PASS	
	Ant2	5745	4.84	≤30.00	PASS	
	Ant1	5785	4.79	≤30.00	PASS	
	Ant2	5785	4.74	≤30.00	PASS	
	Ant1	5825	4.68	≤30.00	PASS	
	Ant2	5825	4.53	≤30.00	PASS	
	11N20MIMO	Ant1	5180	4.93	≤11.00	PASS
		Ant2	5180	4.69	≤11.00	PASS
total		5180	7.82	≤8.71	PASS	
Ant1		5200	4.87	≤11.00	PASS	
Ant2		5200	5.05	≤11.00	PASS	
total		5200	7.97	≤8.71	PASS	
Ant1		5240	5.03	≤11.00	PASS	
Ant2		5240	5.29	≤11.00	PASS	
total		5240	8.17	≤8.71	PASS	
Ant1		5260	4.80	≤11.00	PASS	
Ant2		5260	5.12	≤11.00	PASS	
total		5260	7.97	≤8.51	PASS	
Ant1		5280	4.82	≤11.00	PASS	
Ant2		5280	4.81	≤11.00	PASS	
total		5280	7.83	≤8.51	PASS	
Ant1		5320	5.19	≤11.00	PASS	
Ant2		5320	5.32	≤11.00	PASS	
total		5320	8.27	≤8.51	PASS	
Ant1		5500	4.96	≤11.00	PASS	
Ant2		5500	4.98	≤11.00	PASS	
total		5500	7.98	≤8.65	PASS	
Ant1		5580	5.33	≤11.00	PASS	
Ant2		5580	5.44	≤11.00	PASS	
total		5580	8.40	≤8.65	PASS	
Ant1		5720 UNII-2C	5.63	≤11.00	PASS	
Ant2		5720 UNII-2C	5.36	≤11.00	PASS	
total		5720 UNII-2C	8.51	≤8.65	PASS	
Ant1		5720 UNII-3	0.68	≤30.00	PASS	
Ant2		5720 UNII-3	0.65	≤30.00	PASS	
total		5720 UNII-3	3.68	≤28.02	PASS	
Ant1		5745	3.88	≤30.00	PASS	
Ant2		5745	3.67	≤30.00	PASS	
total	5745	6.79	≤28.02	PASS		
Ant1	5785	3.51	≤30.00	PASS		
Ant2	5785	3.49	≤30.00	PASS		
total	5785	6.51	≤28.02	PASS		

	Ant1	5825	3.39	≤30.00	PASS	
	Ant2	5825	3.42	≤30.00	PASS	
	total	5825	6.42	≤28.02	PASS	
11N40MIMO	Ant1	5190	2.64	≤11.00	PASS	
	Ant2	5190	2.55	≤11.00	PASS	
	total	5190	5.61	≤8.71	PASS	
	Ant1	5230	2.68	≤11.00	PASS	
	Ant2	5230	2.92	≤11.00	PASS	
	total	5230	5.81	≤8.71	PASS	
	Ant1	5270	2.82	≤11.00	PASS	
	Ant2	5270	3.31	≤11.00	PASS	
	total	5270	6.08	≤8.51	PASS	
	Ant1	5310	3.55	≤11.00	PASS	
	Ant2	5310	3.46	≤11.00	PASS	
	total	5310	6.52	≤8.51	PASS	
	Ant1	5510	2.52	≤11.00	PASS	
	Ant2	5510	2.74	≤11.00	PASS	
	total	5510	5.64	≤8.65	PASS	
	Ant1	5550	2.81	≤11.00	PASS	
	Ant2	5550	2.97	≤11.00	PASS	
	total	5550	5.90	≤8.65	PASS	
		Ant1	5710 UNII-2C	3.68	≤11.00	PASS
		Ant2	5710 UNII-2C	3.49	≤11.00	PASS
		total	5710 UNII-2C	6.60	≤8.65	PASS
		Ant1	5710 UNII-3	-2.47	≤30.00	PASS
		Ant2	5710 UNII-3	-3.00	≤30.00	PASS
		total	5710 UNII-3	0.28	≤28.02	PASS
		Ant1	5755	0.80	≤30.00	PASS
		Ant2	5755	0.57	≤30.00	PASS
		total	5755	3.70	≤28.02	PASS
		Ant1	5795	0.62	≤30.00	PASS
		Ant2	5795	0.48	≤30.00	PASS
		total	5795	3.56	≤28.02	PASS
11AC20MIMO	Ant1	5180	5.07	≤11.00	PASS	
	Ant2	5180	4.89	≤11.00	PASS	
	total	5180	7.99	≤8.71	PASS	
	Ant1	5200	4.91	≤11.00	PASS	
	Ant2	5200	5.08	≤11.00	PASS	
	total	5200	8.01	≤8.71	PASS	
	Ant1	5240	4.98	≤11.00	PASS	
	Ant2	5240	5.33	≤11.00	PASS	
	total	5240	8.17	≤8.71	PASS	
	Ant1	5260	4.88	≤11.00	PASS	
	Ant2	5260	4.94	≤11.00	PASS	
	total	5260	7.92	≤8.51	PASS	
	Ant1	5280	4.58	≤11.00	PASS	
	Ant2	5280	4.79	≤11.00	PASS	
	total	5280	7.70	≤8.51	PASS	
	Ant1	5320	5.08	≤11.00	PASS	
	Ant2	5320	5.27	≤11.00	PASS	
	total	5320	8.19	≤8.51	PASS	
	Ant1	5500	3.66	≤11.00	PASS	
	Ant2	5500	3.57	≤11.00	PASS	
	total	5500	6.63	≤8.65	PASS	
	Ant1	5580	5.36	≤11.00	PASS	
	Ant2	5580	5.36	≤11.00	PASS	
	total	5580	8.37	≤8.65	PASS	
	Ant1	5720 UNII-2C	5.60	≤11.00	PASS	
	Ant2	5720 UNII-2C	5.39	≤11.00	PASS	
	total	5720 UNII-2C	8.51	≤8.65	PASS	
	Ant1	5720 UNII-3	0.84	≤30.00	PASS	
	Ant2	5720 UNII-3	0.47	≤30.00	PASS	
	total	5720 UNII-3	3.67	≤28.02	PASS	
Ant1	5745	3.75	≤30.00	PASS		
Ant2	5745	3.68	≤30.00	PASS		
total	5745	6.73	≤28.02	PASS		
Ant1	5785	3.44	≤30.00	PASS		
Ant2	5785	3.54	≤30.00	PASS		
total	5785	6.50	≤28.02	PASS		
	Ant1	5825	3.35	≤30.00	PASS	

	Ant2	5825	3.17	≤30.00	PASS
	total	5825	6.27	≤28.02	PASS
11AC40MIMO	Ant1	5190	2.56	≤11.00	PASS
	Ant2	5190	2.71	≤11.00	PASS
	total	5190	5.65	≤8.71	PASS
	Ant1	5230	2.61	≤11.00	PASS
	Ant2	5230	2.90	≤11.00	PASS
	total	5230	5.77	≤8.71	PASS
	Ant1	5270	2.88	≤11.00	PASS
	Ant2	5270	3.14	≤11.00	PASS
	total	5270	6.02	≤8.51	PASS
	Ant1	5310	3.23	≤11.00	PASS
	Ant2	5310	3.44	≤11.00	PASS
	total	5310	6.35	≤8.51	PASS
	Ant1	5510	2.58	≤11.00	PASS
	Ant2	5510	2.60	≤11.00	PASS
	total	5510	5.60	≤8.65	PASS
	Ant1	5550	2.80	≤11.00	PASS
	Ant2	5550	2.91	≤11.00	PASS
	total	5550	5.87	≤8.65	PASS
	Ant1	5710 UNII-2C	3.70	≤11.00	PASS
	Ant2	5710 UNII-2C	3.72	≤11.00	PASS
	total	5710 UNII-2C	6.72	≤8.65	PASS
	Ant1	5710 UNII-3	-2.75	≤30.00	PASS
	Ant2	5710 UNII-3	-2.79	≤30.00	PASS
	total	5710 UNII-3	0.24	≤28.02	PASS
	Ant1	5755	0.96	≤30.00	PASS
	Ant2	5755	0.81	≤30.00	PASS
	total	5755	3.90	≤28.02	PASS
	Ant1	5795	0.67	≤30.00	PASS
Ant2	5795	0.58	≤30.00	PASS	
total	5795	3.64	≤28.02	PASS	
11AC80MIMO	Ant1	5210	-0.57	≤11.00	PASS
	Ant2	5210	-0.24	≤11.00	PASS
	total	5210	2.61	≤8.71	PASS
	Ant1	5290	-0.04	≤11.00	PASS
	Ant2	5290	0.37	≤11.00	PASS
	total	5290	3.18	≤8.51	PASS
	Ant1	5530	-0.25	≤11.00	PASS
	Ant2	5530	-0.36	≤11.00	PASS
	total	5530	2.71	≤8.65	PASS
	Ant1	5610	0.53	≤11.00	PASS
	Ant2	5610	0.45	≤11.00	PASS
	total	5610	3.50	≤8.65	PASS
	Ant1	5690 UNII-2C	0.59	≤11.00	PASS
	Ant2	5690 UNII-2C	1.06	≤11.00	PASS
	total	5690 UNII-2C	3.84	≤8.65	PASS
	Ant1	5690 UNII-3	-5.77	≤30.00	PASS
	Ant2	5690 UNII-3	-6.10	≤30.00	PASS
	total	5690 UNII-3	-2.92	≤28.02	PASS
	Ant1	5775	-1.84	≤30.00	PASS
	Ant2	5775	-2.29	≤30.00	PASS
total	5775	0.95	≤28.02	PASS	

Note: 1, This module will use two different Wi-Fi antennas, and only the one with the larger antenna gain (**Antenna1: U-NII-1:5.77dBi; U-NII-2A:5.90dBi; U-NII-2C:5.60dBi; U-NII-3:5.42dBi, Antenna2: U-NII-1:4.77dBi; U-NII-2A:5.04dBi; U-NII-2C:5.08dBi; U-NII-3:4.50dBi**) will be used for conducted test.

2, For MIMO Mode, Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2]$

Directional Gain = 8.29dBi > 6dBi. For U-NII-1
 Directional Gain = 8.49dBi > 6dBi. For U-NII-2A
 Directional Gain = 8.35dBi > 6dBi. For U-NII-2C
 Directional Gain = 7.98dBi > 6dBi. For U-NII-3

So PSDout = PSDlimit-(G_{TX}-6) = (11-2.29)dBm/MHz = 8.71dBm For U-NII-1: 5180MHz-5260MHz

So PSDout = PSDlimit-(G_{TX}-6) = (11-2.46)dBm/MHz = 8.51dBm For U-NII-2A: 5260MHz-5320MHz

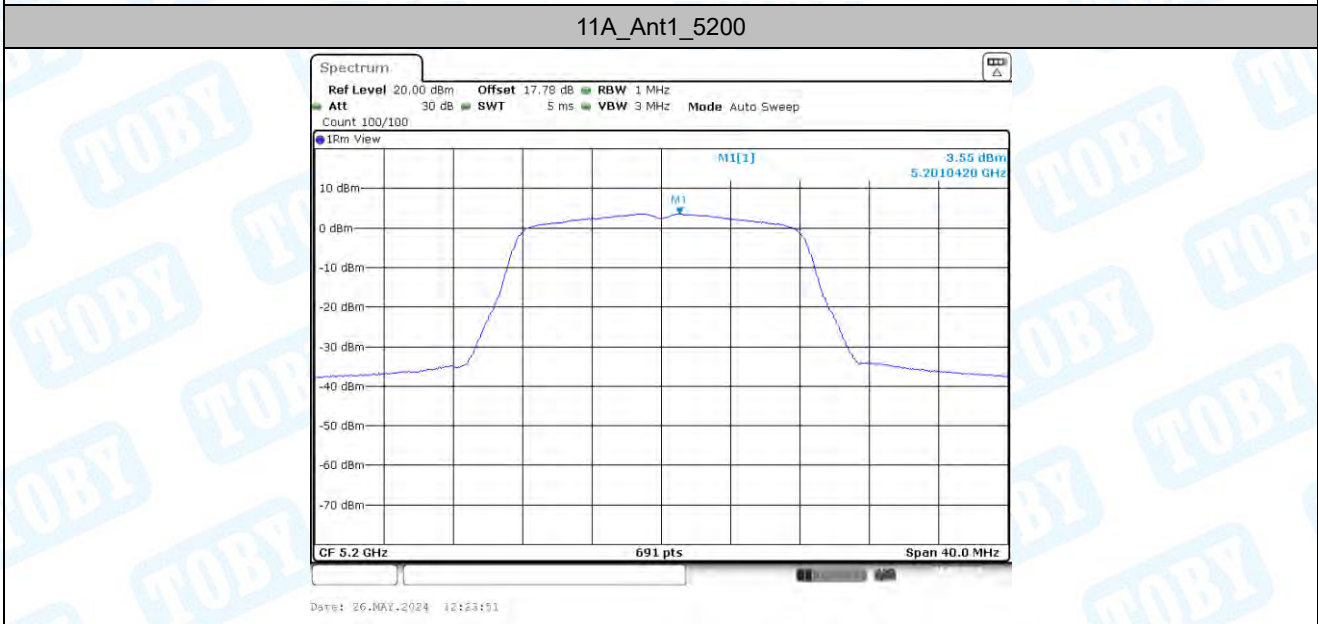
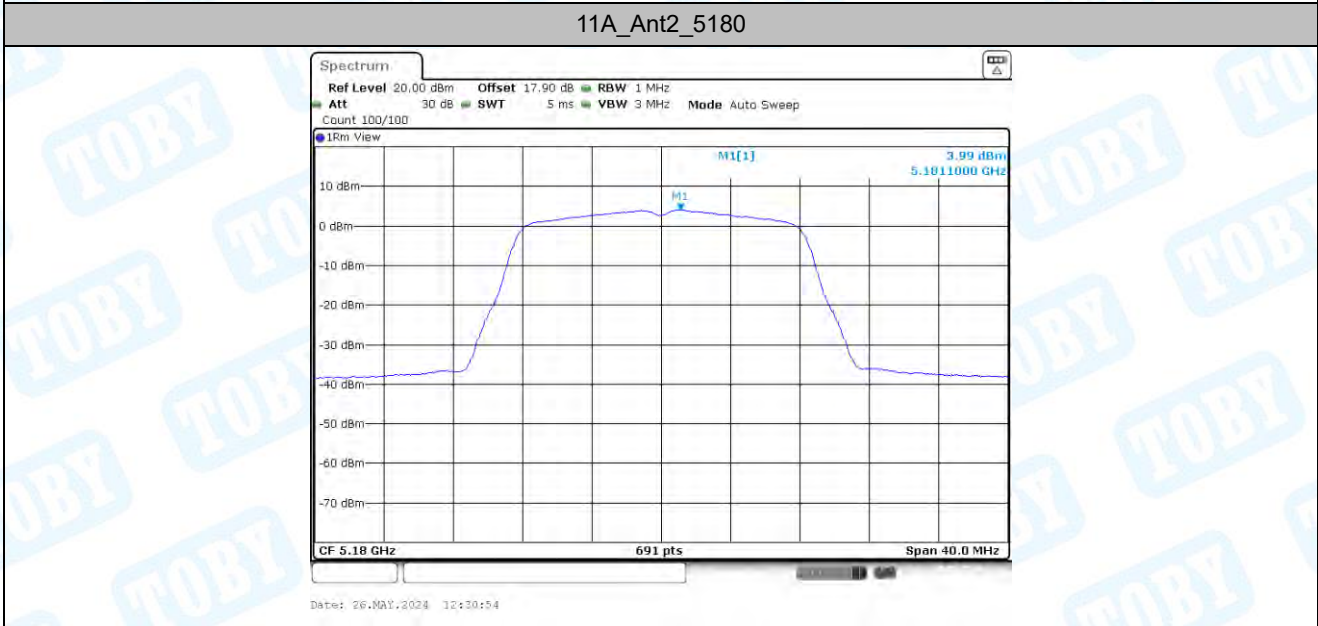
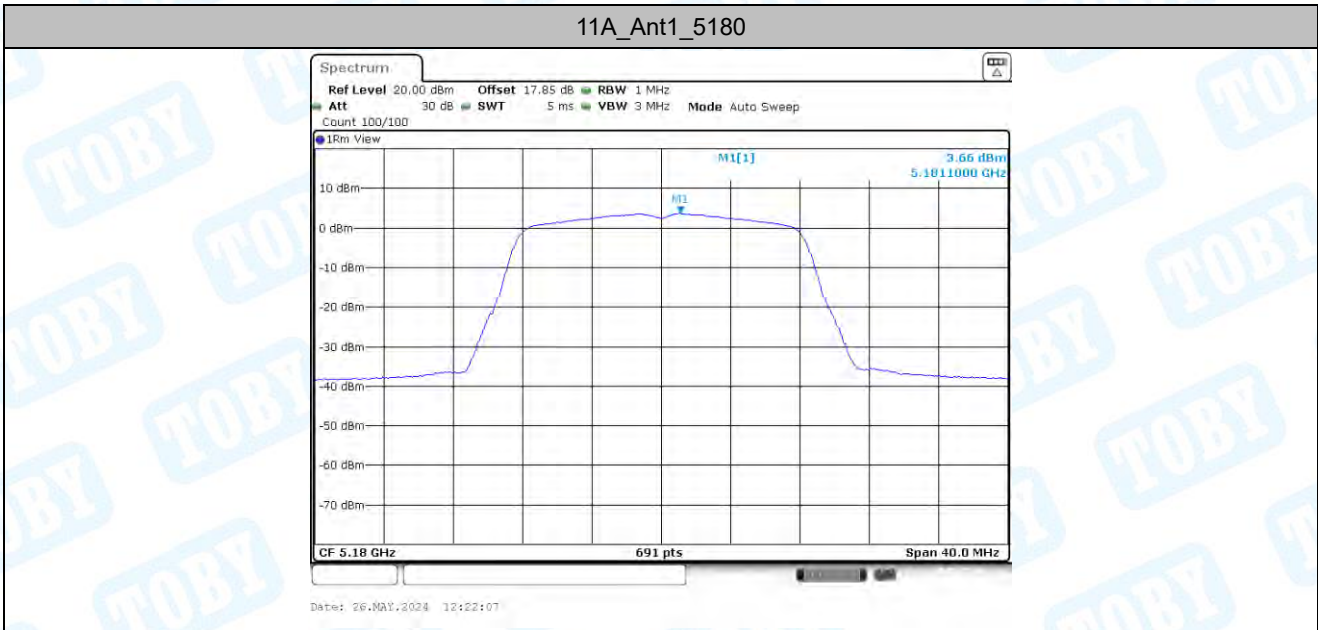
So PSDout = PSDlimit-(G_{TX}-6) = (11-2.35)dBm/MHz = 8.65dBm For U-NII-2C: 5500MHz-5720MHz

So PSDout = PSDlimit-(G_{TX}-6) = (30-1.98)dBm/500KHz = 28.02dBm/500KHz For U-NII-3: 5745MHz-5825MHz

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

The Duty Cycle Factor and RBW Factor is compensated in the graph.

5.3. Test Graphs



11A_Ant2_5200



11A_Ant1_5240



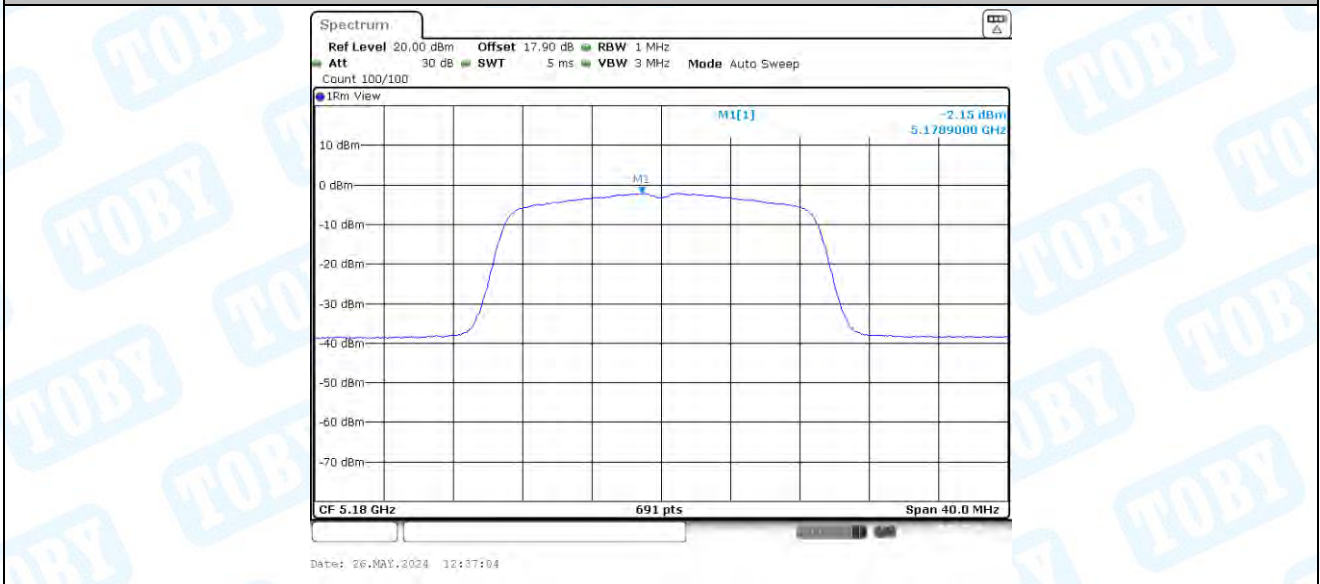
11A_Ant2_5240



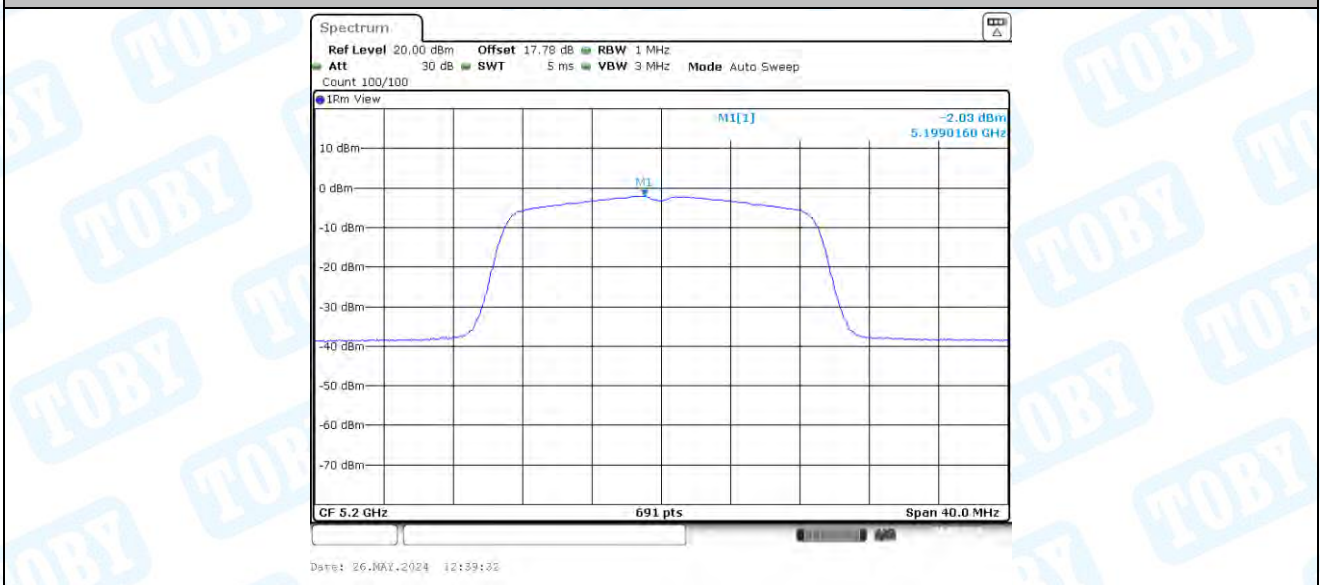
11N20MIMO_Ant1_5180



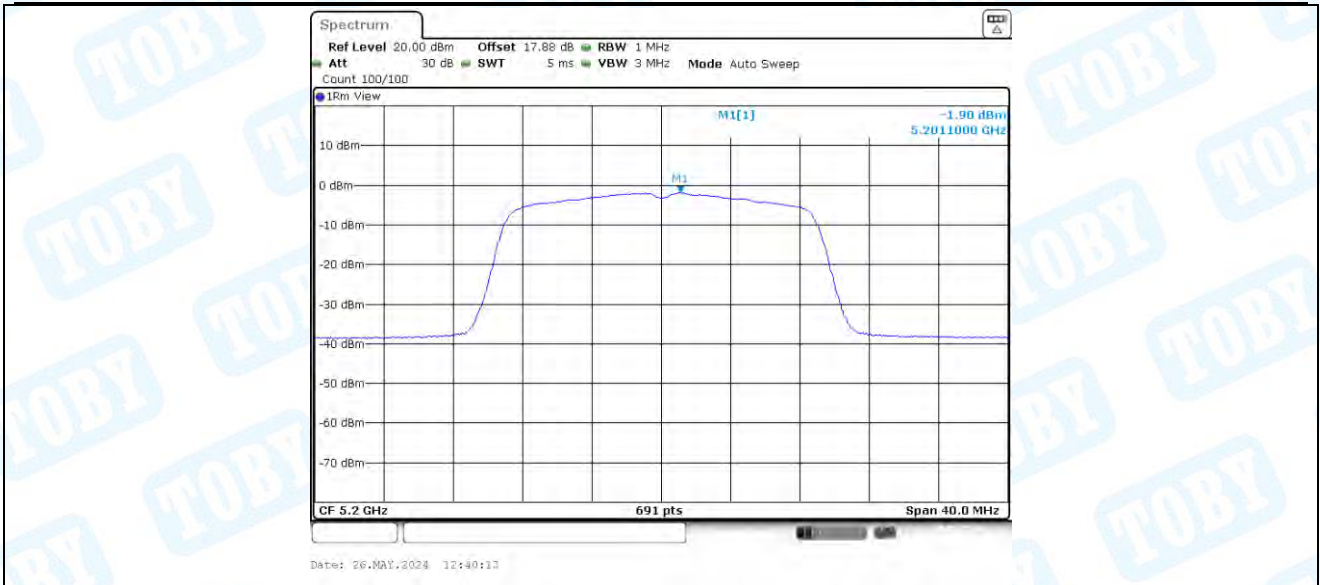
11N20MIMO_Ant2_5180



11N20MIMO_Ant1_5200



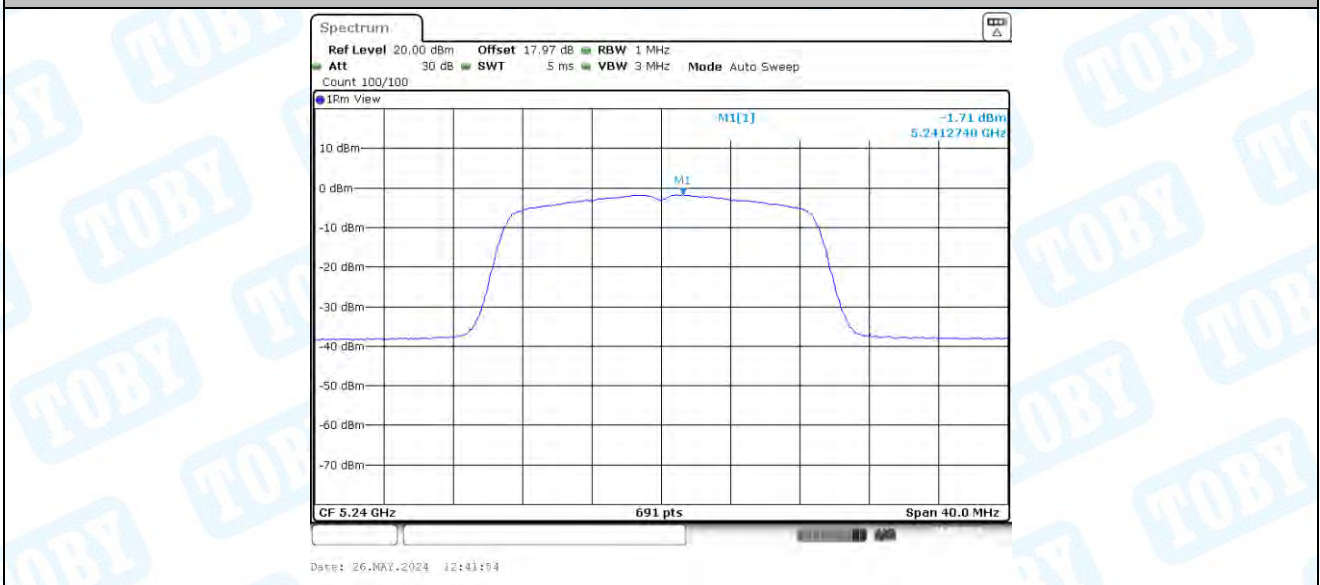
11N20MIMO_Ant2_5200



11N20MIMO_Ant1_5240



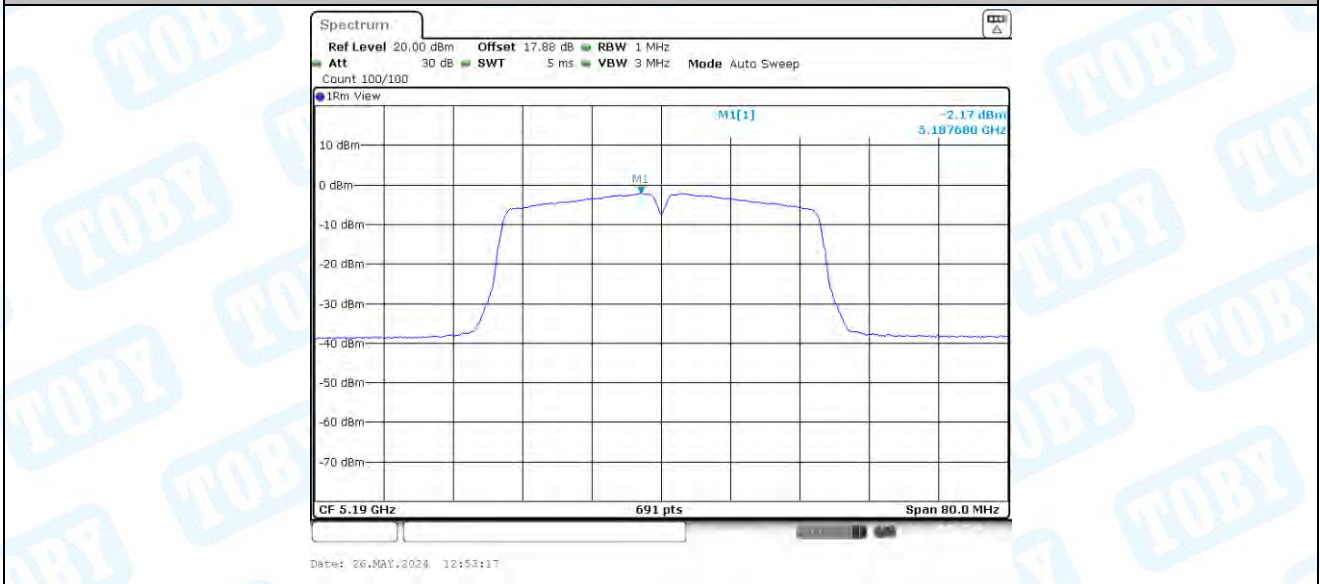
11N20MIMO_Ant2_5240



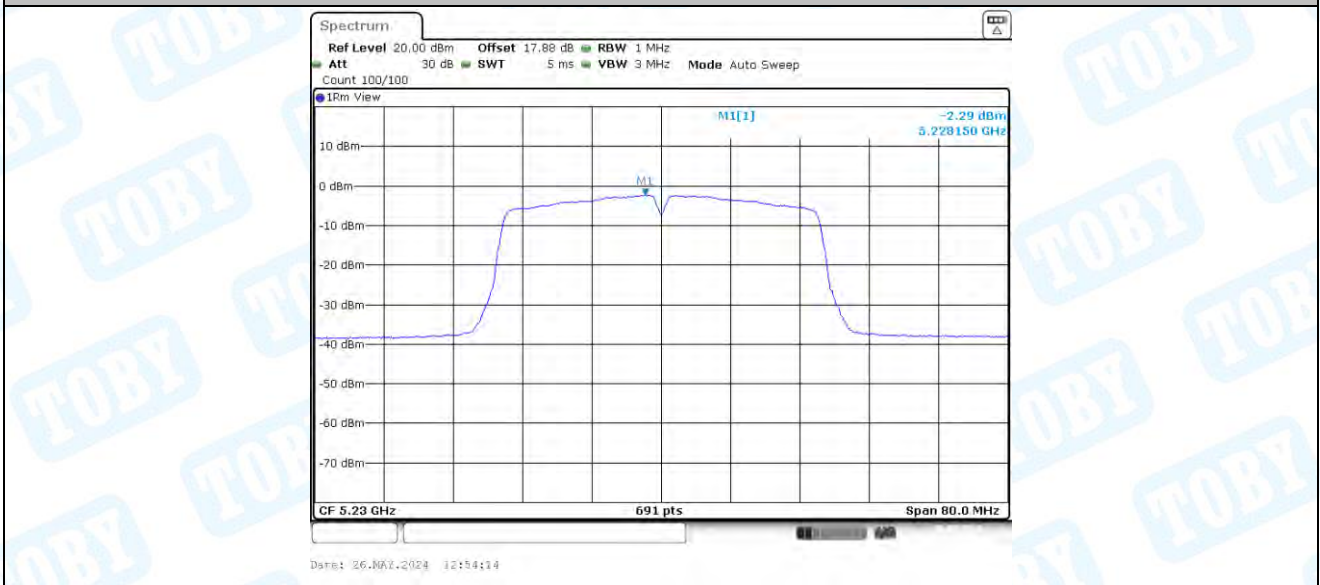
11N40MIMO_Ant1_5190



11N40MIMO_Ant2_5190



11N40MIMO_Ant1_5230



11N40MIMO_Ant2_5230



11AC20MIMO_Ant1_5180



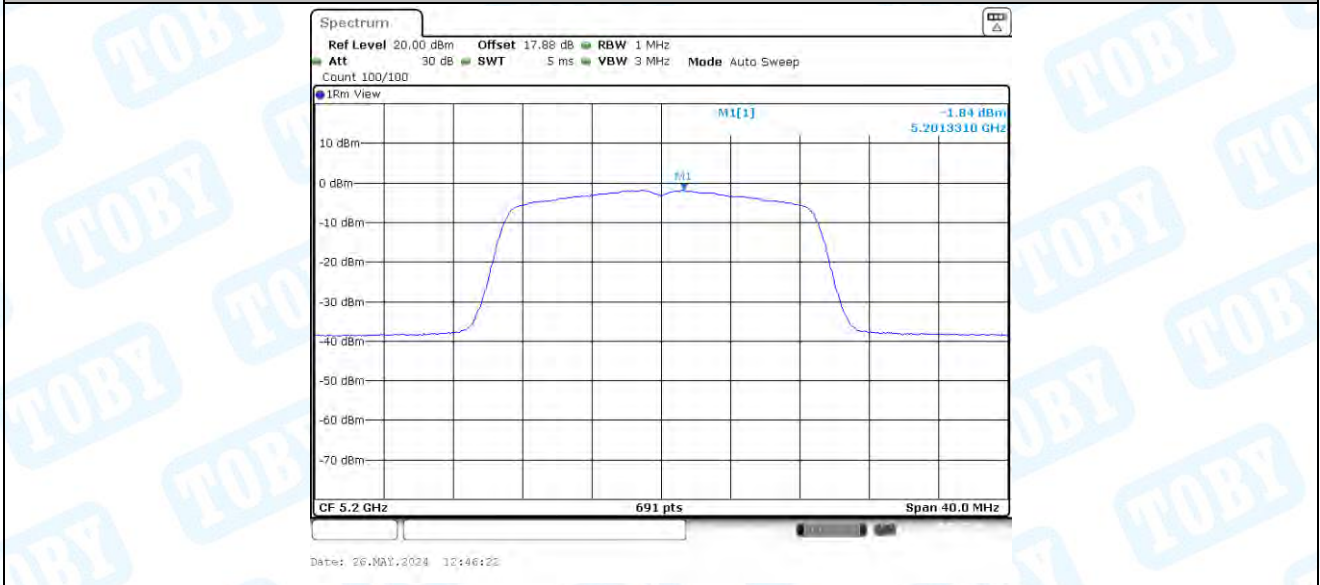
11AC20MIMO_Ant2_5180



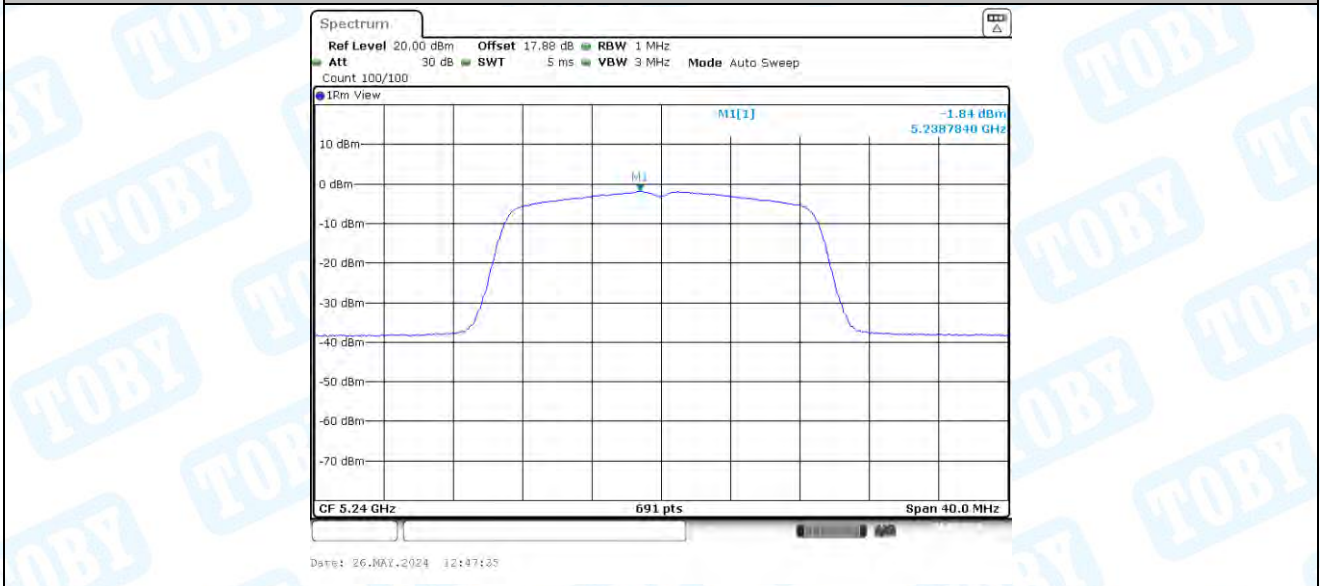
11AC20MIMO_Ant1_5200



11AC20MIMO_Ant2_5200



11AC20MIMO_Ant1_5240



11AC20MIMO_Ant2_5240



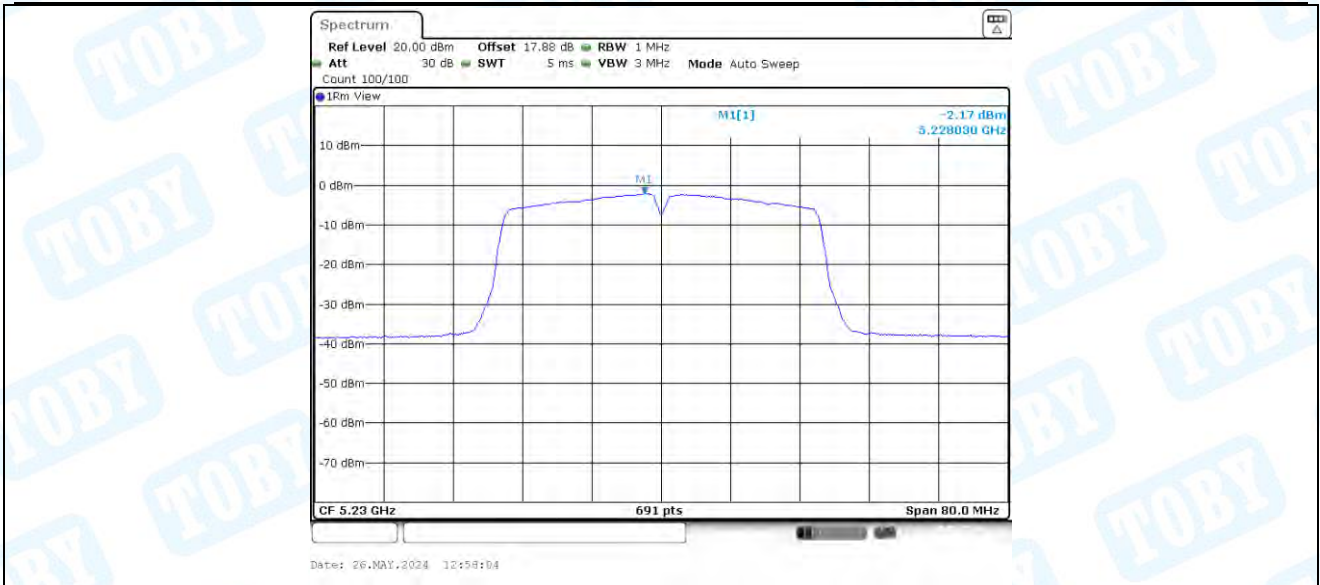
11AC40MIMO_Ant1_5190



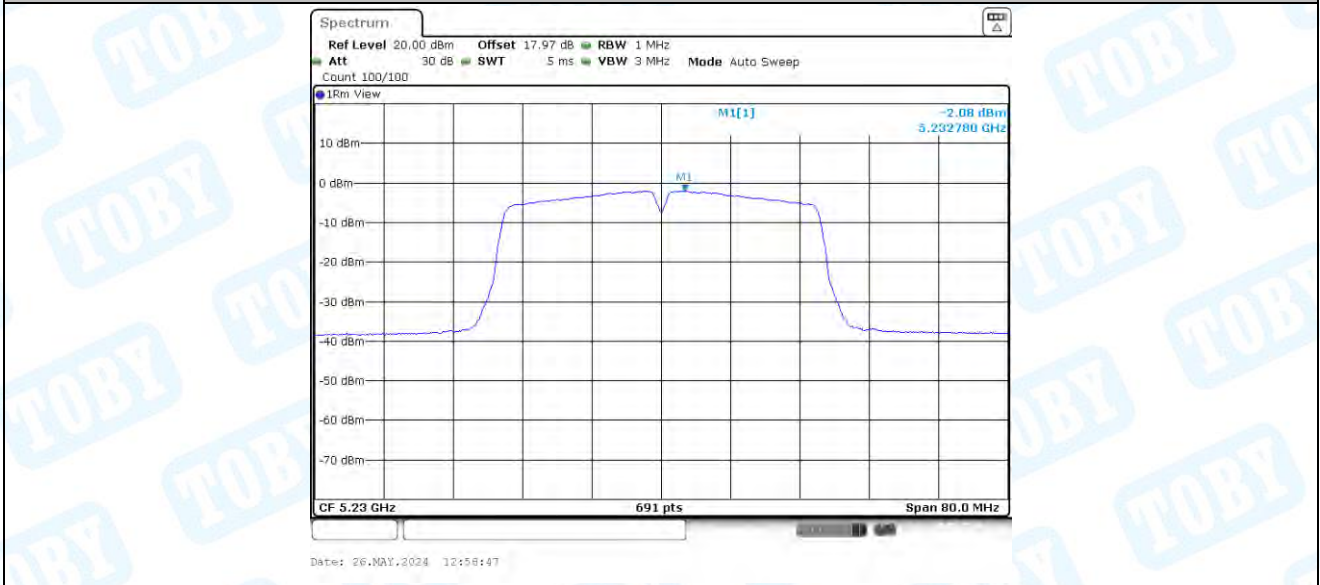
11AC40MIMO_Ant2_5190



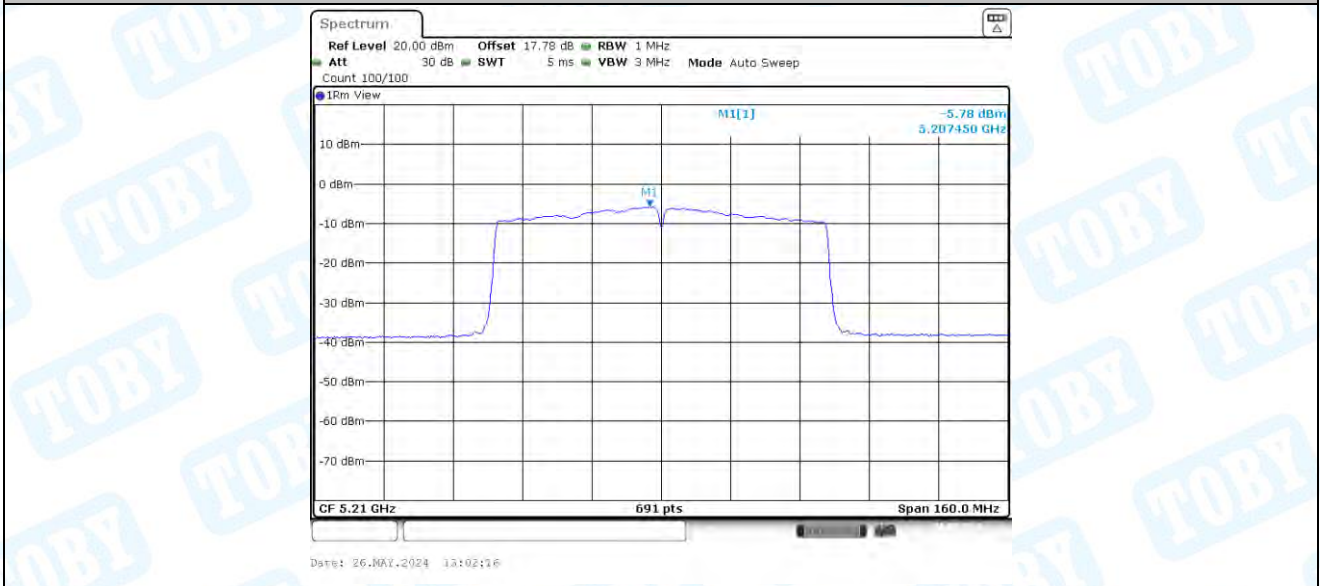
11AC40MIMO_Ant1_5230



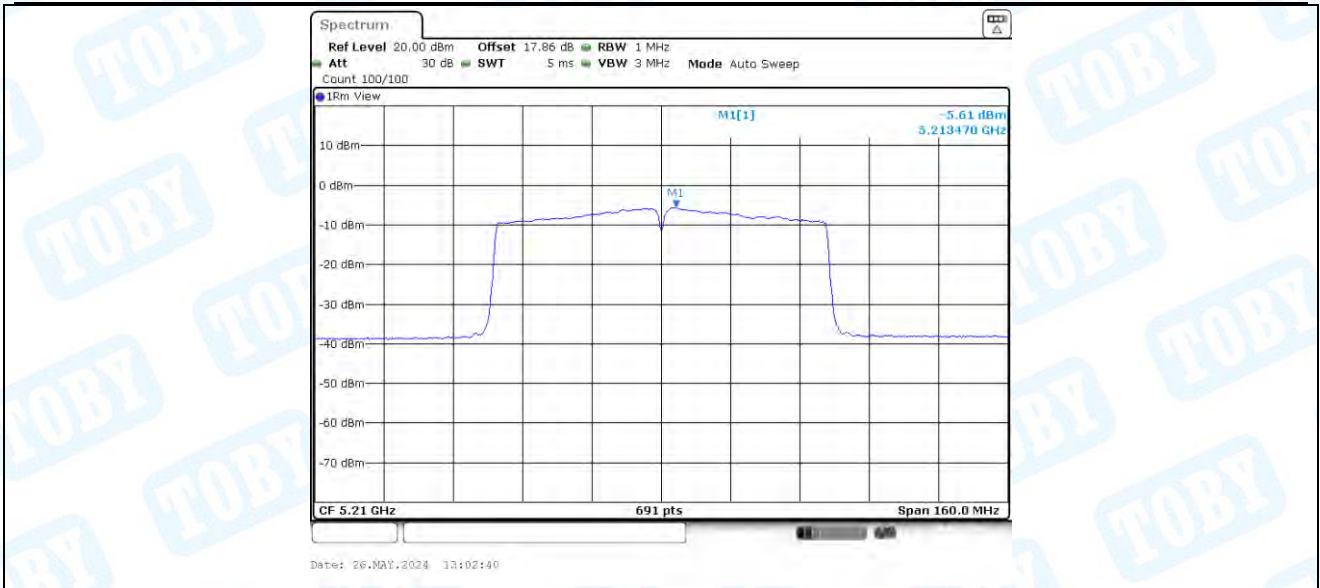
11AC40MIMO_Ant2_5230



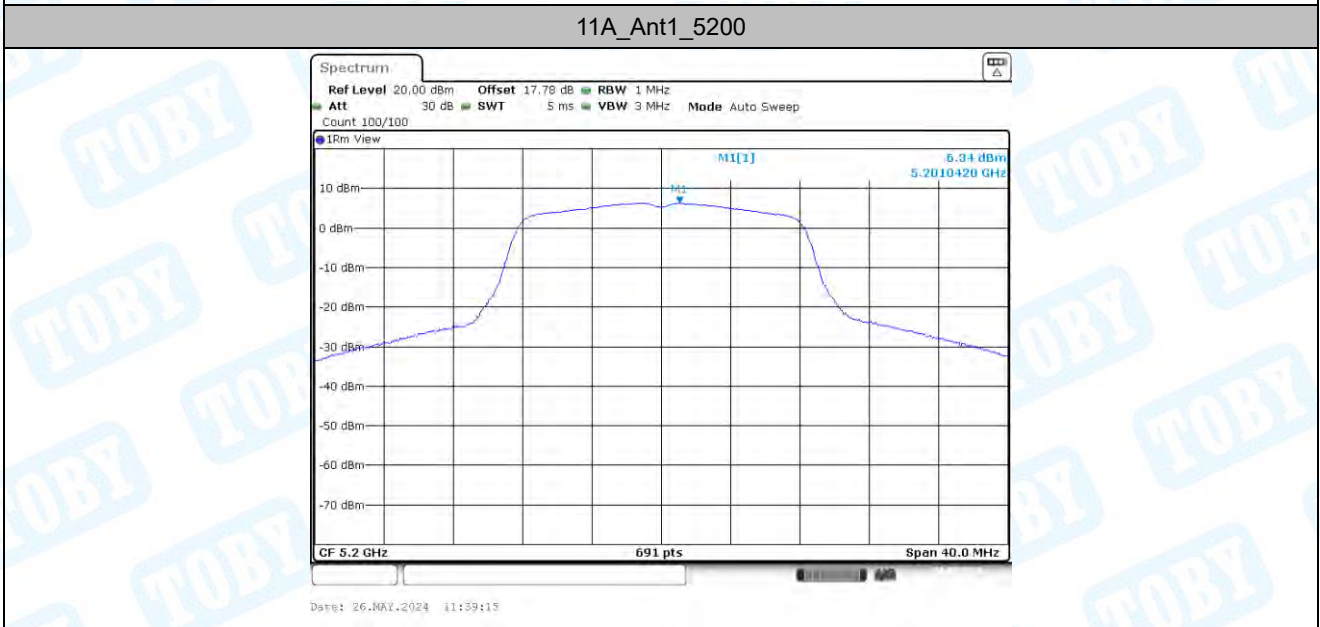
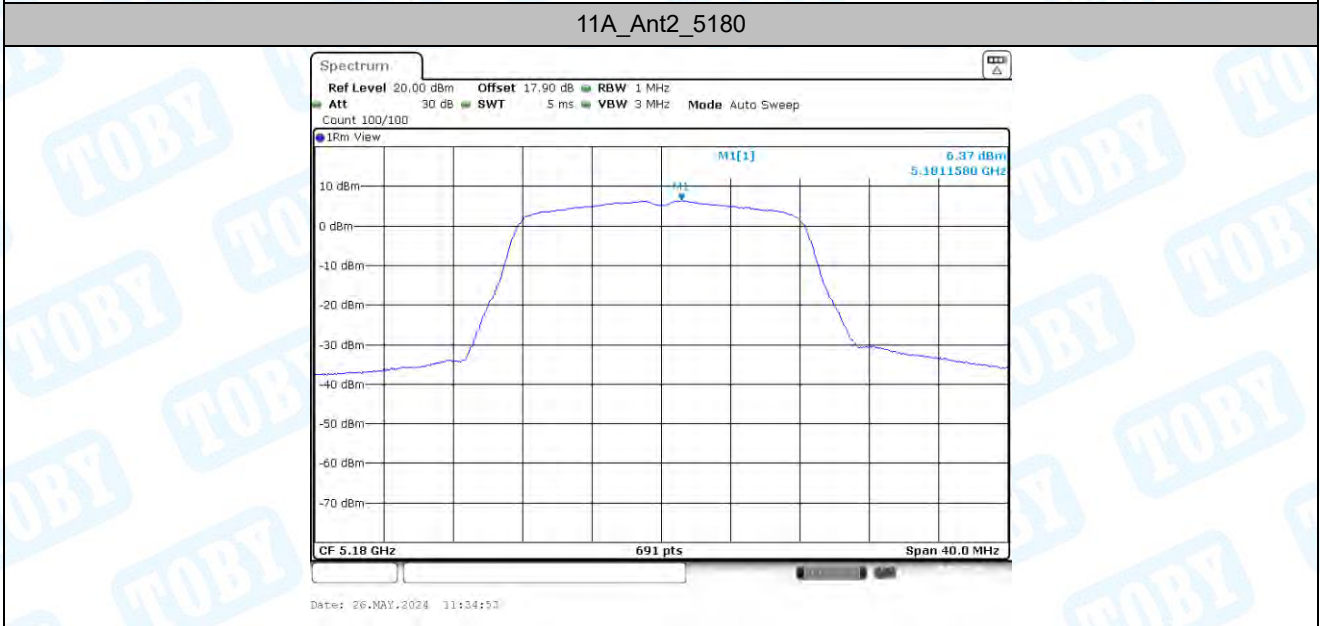
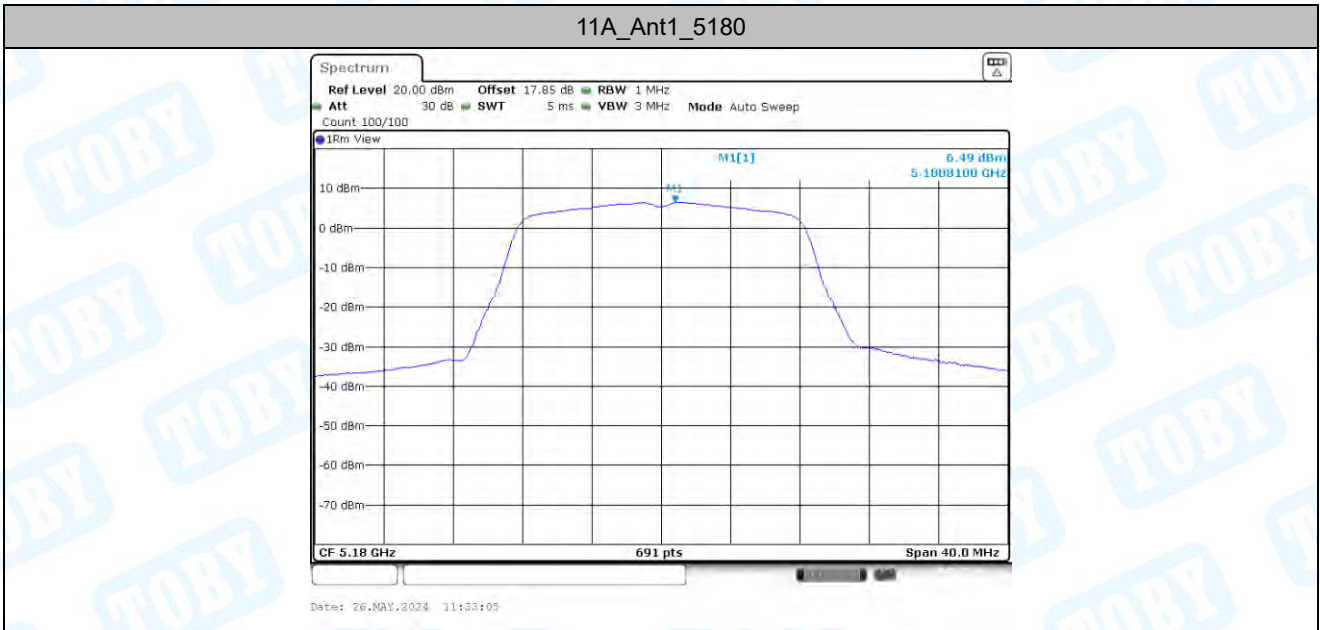
11AC80MIMO_Ant1_5210



11AC80MIMO_Ant2_5210



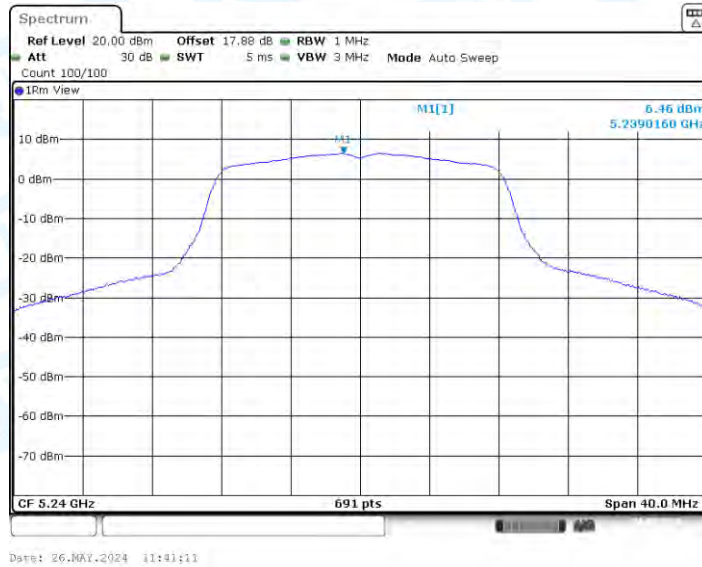
5.4. Test Graphs



11A_Ant2_5200



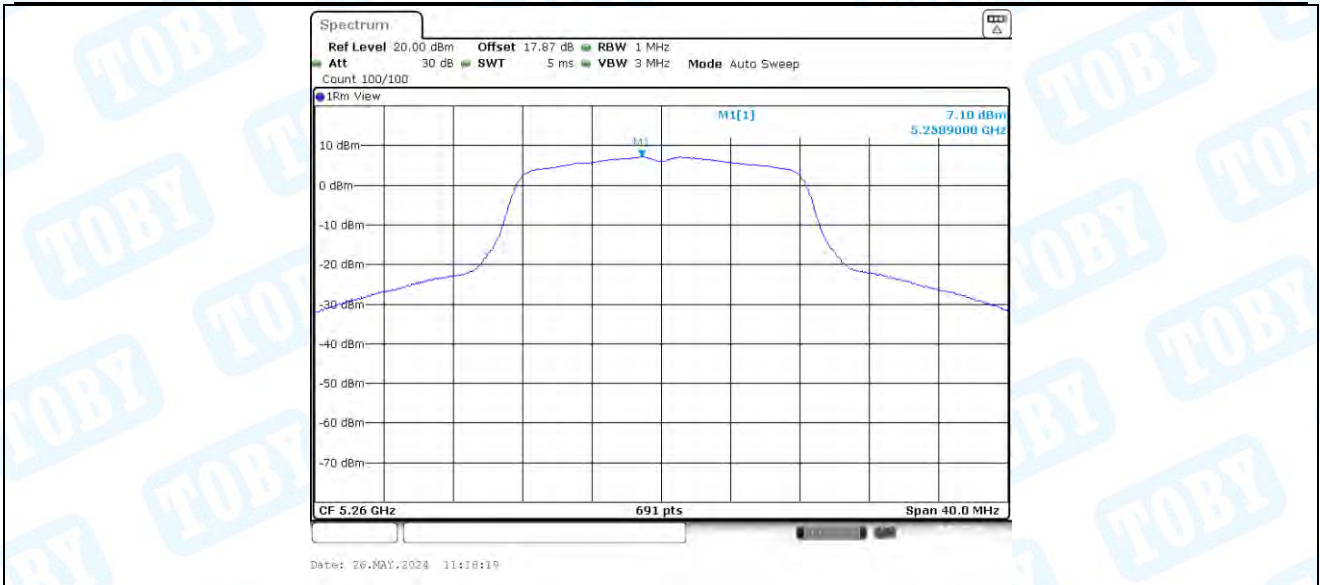
11A_Ant1_5240



11A_Ant2_5240



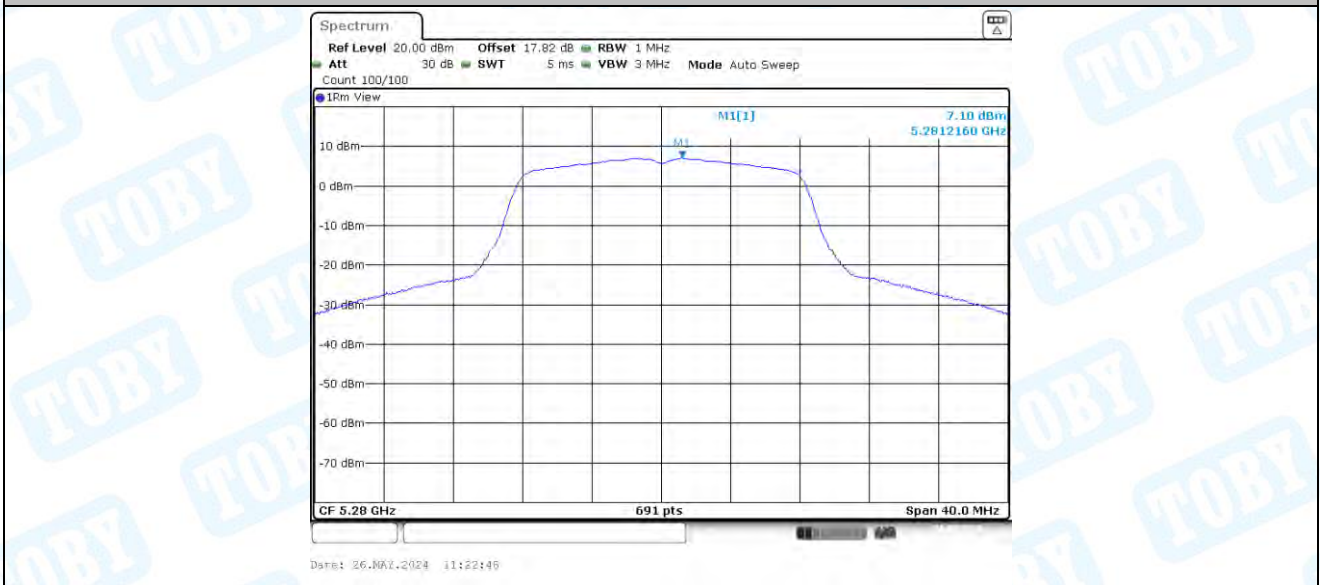
11A_Ant1_5260



11A_Ant2_5260



11A_Ant1_5280



11A_Ant2_5280



11A_Ant1_5320



11A_Ant2_5320



11A_Ant1_5500