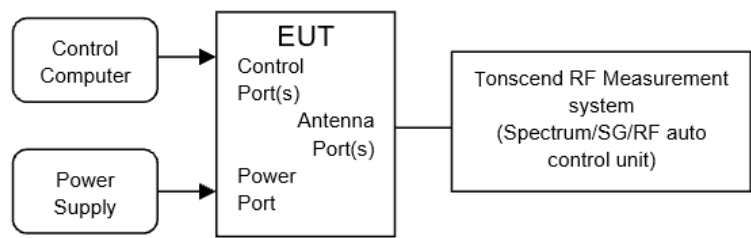


8. Maximum Output Power

8.1. Block diagram of test setup



8.2. Limits

FCC Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
Maximum Output Power	outdoor access point: 1 W(30 dBm) indoor access point: 1 W(30 dBm) fixed point-to-point access points1 W(30 dBm) client devices: 250 mW (23.98 dBm)	5150-5250
	250 mW (23.98 dBm) or 11 + 10 log ₁₀ B	5250-5350
	250 mW (23.98 dBm) or 11 + 10 log ₁₀ B	For FCC:5470 - 5725 For IC:5470 - 5600 5650 - 5725
	1 Watt (30 dBm)	5725-5850
Note 1: B=26 bandwidth		
Note 2: If transmitting antennas of directional gain greater than 6 dBi are used, the average output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi, but for fixed point-to-point transmitters operating in 5150-5250MHz band that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and operating in 5725-5850 band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power.		

8.3. Test procedure

Connect each EUT’s antenna output to power sensor by RF cable and attenuator
Measure the output power of each antenna port by power sensor.

8.4. Test result channel power

Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 1#
Ambient Condition:	28.6℃,40.1%RH	Test Date:	2025.09.26-2025.12.25
Test Power Supply:	AC120V/60Hz	Sample Number:	S25082809-001

Test Mode	Antenna	Frequency [MHz]	TPC Mode	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11A-CDD	Ant1	5180	NA	6.36	95.21	0.21	6.57	≤21.89	20.11	---	PASS
	Ant2	5180	NA	5.77	95.21	0.21	5.98	≤21.89	20.09	---	PASS
	total	5180	NA	---	---	---	9.3	≤21.89	23.41	---	PASS
	Ant1	5200	NA	6.26	95.21	0.21	6.47	≤21.89	20.01	---	PASS
	Ant2	5200	NA	5.96	95.86	0.18	6.14	≤21.89	20.25	---	PASS
	total	5200	NA	---	---	---	9.32	≤21.89	23.43	---	PASS
	Ant1	5240	NA	5.73	95.86	0.18	5.91	≤21.89	19.45	---	PASS
	Ant2	5240	NA	5.9	95.86	0.18	6.08	≤21.89	20.19	---	PASS
	total	5240	NA	---	---	---	9.01	≤21.89	23.12	---	PASS
	Ant1	5260	TPC_L	2.42	95.21	0.21	2.63	≤15.87	16.17	≤24.00	PASS
			TPC_H	4.91	95.21	0.21	5.12	≤15.87	18.66	≤30.00	PASS
	Ant2	5260	TPC_L	3.06	95.86	0.18	3.24	≤15.87	17.35	≤24.00	PASS
			TPC_H	5.57	95.86	0.18	5.75	≤15.87	19.86	≤30.00	PASS
	total	5260	TPC_L	---	---	---	5.96	≤15.87	20.07	≤24.00	PASS
			TPC_H	---	---	---	8.46	≤15.87	22.57	≤30.00	PASS
	Ant1	5280	TPC_L	2.13	95.21	0.21	2.34	≤15.87	15.88	≤24.00	PASS
			TPC_H	4.57	95.21	0.21	4.78	≤15.87	18.32	≤30.00	PASS
	Ant2	5280	TPC_L	3.37	95.86	0.18	3.55	≤15.87	17.66	≤24.00	PASS
			TPC_H	5.87	95.86	0.18	6.05	≤15.87	20.16	≤30.00	PASS
	total	5280	TPC_L	---	---	---	6	≤15.87	20.11	≤24.00	PASS
			TPC_H	---	---	---	8.47	≤15.87	22.58	≤30.00	PASS
	Ant1	5320	TPC_L	1.62	95.21	0.21	1.83	≤15.87	15.37	≤24.00	PASS
			TPC_H	4.09	95.21	0.21	4.3	≤15.87	17.84	≤30.00	PASS
	Ant2	5320	TPC_L	3.62	95.86	0.18	3.8	≤15.87	17.91	≤24.00	PASS
			TPC_H	6.12	95.86	0.18	6.3	≤15.87	20.41	≤30.00	PASS
	total	5320	TPC_L	---	---	---	5.94	≤15.87	20.05	≤24.00	PASS
			TPC_H	---	---	---	8.42	≤15.87	22.53	≤30.00	PASS
	Ant1	5500	TPC_L	3.42	95.86	0.18	3.6	≤15.87	17.14	≤24.00	PASS
			TPC_H	5.88	95.86	0.18	6.06	≤15.87	19.6	≤30.00	PASS
	Ant2	5500	TPC_L	2.67	95.86	0.18	2.85	≤15.87	16.96	≤24.00	PASS
			TPC_H	5.23	95.86	0.18	5.41	≤15.87	19.52	≤30.00	PASS
	total	5500	TPC_L	---	---	---	6.25	≤15.87	20.36	≤24.00	PASS
			TPC_H	---	---	---	8.76	≤15.87	22.87	≤30.00	PASS
	Ant1	5580	TPC_L	3.44	95.86	0.18	3.62	≤15.87	17.16	≤24.00	PASS
			TPC_H	5.93	95.86	0.18	6.11	≤15.87	19.65	≤30.00	PASS
	Ant2	5580	TPC_L	3.21	95.21	0.21	3.42	≤15.87	17.53	≤24.00	PASS

			TPC_H	5.73	95.21	0.21	5.94	≤15.87	20.05	≤30.00	PASS
	total	5580	TPC_L	---	---	---	6.53	≤15.87	20.64	≤24.00	PASS
			TPC_H	---	---	---	9.04	≤15.87	23.15	≤30.00	PASS
	Ant1	5700	TPC_L	2.82	95.86	0.18	3	≤15.87	16.54	≤24.00	PASS
			TPC_H	5.26	95.86	0.18	5.44	≤15.87	18.98	≤30.00	PASS
	Ant2	5700	TPC_L	3.99	95.21	0.21	4.2	≤15.87	18.31	≤24.00	PASS
			TPC_H	6.5	95.21	0.21	6.71	≤15.87	20.82	≤30.00	PASS
	total	5700	TPC_L	---	---	---	6.65	≤15.87	20.76	≤24.00	PASS
			TPC_H	---	---	---	9.13	≤15.87	23.24	≤30.00	PASS
	Ant1	5745	NA	11.16	95.86	0.18	11.34	≤21.89	24.88	---	PASS
	Ant2	5745	NA	11.83	95.86	0.18	12.01	≤21.89	26.12	---	PASS
	total	5745	NA	---	---	---	14.7	≤21.89	28.81	---	PASS
	Ant1	5785	NA	11.39	95.21	0.21	11.6	≤21.89	25.14	---	PASS
	Ant2	5785	NA	11.43	95.86	0.18	11.61	≤21.89	25.72	---	PASS
	total	5785	NA	---	---	---	14.62	≤21.89	28.73	---	PASS
	Ant1	5825	NA	11.59	95.21	0.21	11.8	≤21.89	25.34	---	PASS
	Ant2	5825	NA	11.2	95.21	0.21	11.41	≤21.89	25.52	---	PASS
	total	5825	NA	---	---	---	14.62	≤21.89	28.73	---	PASS
11N20MI MO	Ant1	5180	NA	6.08	91.78	0.37	6.45	≤21.89	19.99	---	PASS
	Ant2	5180	NA	5.28	90.54	0.43	5.71	≤21.89	19.82	---	PASS
	total	5180	NA	---	---	---	9.11	≤21.89	23.22	---	PASS
	Ant1	5200	NA	5.72	90.54	0.43	6.15	≤21.89	19.69	---	PASS
	Ant2	5200	NA	5.32	90.54	0.43	5.75	≤21.89	19.86	---	PASS
	total	5200	NA	---	---	---	8.96	≤21.89	23.07	---	PASS
	Ant1	5240	NA	5.53	90.54	0.43	5.96	≤21.89	19.5	---	PASS
	Ant2	5240	NA	5.7	91.78	0.37	6.07	≤21.89	20.18	---	PASS
	total	5240	NA	---	---	---	9.03	≤21.89	23.14	---	PASS
	Ant1	5260	TPC_L	2.29	90.54	0.43	2.72	≤15.87	16.26	≤24.00	PASS
			TPC_H	4.66	90.54	0.43	5.09	≤15.87	18.63	≤30.00	PASS
	Ant2	5260	TPC_L	2.86	90.54	0.43	3.29	≤15.87	17.4	≤24.00	PASS
			TPC_H	5.32	90.54	0.43	5.75	≤15.87	19.86	≤30.00	PASS
	total	5260	TPC_L	---	---	---	6.02	≤15.87	20.13	≤24.00	PASS
			TPC_H	---	---	---	8.44	≤15.87	22.55	≤30.00	PASS
	Ant1	5280	TPC_L	1.93	90.54	0.43	2.36	≤15.87	15.9	≤24.00	PASS
			TPC_H	4.25	90.54	0.43	4.68	≤15.87	18.22	≤30.00	PASS
	Ant2	5280	TPC_L	3.17	91.78	0.37	3.54	≤15.87	17.65	≤24.00	PASS
			TPC_H	5.54	91.78	0.37	5.91	≤15.87	20.02	≤30.00	PASS
	total	5280	TPC_L	---	---	---	6	≤15.87	20.11	≤24.00	PASS
			TPC_H	---	---	---	8.35	≤15.87	22.46	≤30.00	PASS
	Ant1	5320	TPC_L	1.43	90.54	0.43	1.86	≤15.87	15.4	≤24.00	PASS
			TPC_H	3.76	90.54	0.43	4.19	≤15.87	17.73	≤30.00	PASS
	Ant2	5320	TPC_L	3.43	90.54	0.43	3.86	≤15.87	17.97	≤24.00	PASS
			TPC_H	5.71	90.54	0.43	6.14	≤15.87	20.25	≤30.00	PASS
	total	5320	TPC_L	---	---	---	5.98	≤15.87	20.09	≤24.00	PASS
			TPC_H	---	---	---	8.28	≤15.87	22.39	≤30.00	PASS

	Ant1	5500	TPC_L	3.2	91.78	0.37	3.57	≤15.87	17.11	≤24.00	PASS
			TPC_H	5.5	91.78	0.37	5.87	≤15.87	19.41	≤30.00	PASS
	Ant2	5500	TPC_L	2.46	91.78	0.37	2.83	≤15.87	16.94	≤24.00	PASS
			TPC_H	4.85	91.78	0.37	5.22	≤15.87	19.33	≤30.00	PASS
	total	5500	TPC_L	---	---	---	6.23	≤15.87	20.34	≤24.00	PASS
			TPC_H	---	---	---	8.57	≤15.87	22.68	≤30.00	PASS
	Ant1	5580	TPC_L	3.24	90.54	0.43	3.67	≤15.87	17.21	≤24.00	PASS
			TPC_H	5.55	90.54	0.43	5.98	≤15.87	19.52	≤30.00	PASS
	Ant2	5580	TPC_L	2.97	91.78	0.37	3.34	≤15.87	17.45	≤24.00	PASS
			TPC_H	5.41	91.78	0.37	5.78	≤15.87	19.89	≤30.00	PASS
	total	5580	TPC_L	---	---	---	6.52	≤15.87	20.63	≤24.00	PASS
			TPC_H	---	---	---	8.89	≤15.87	23	≤30.00	PASS
	Ant1	5700	TPC_L	2.21	90.54	0.43	2.64	≤15.87	16.18	≤24.00	PASS
			TPC_H	4.99	90.54	0.43	5.42	≤15.87	18.96	≤30.00	PASS
	Ant2	5700	TPC_L	3.38	91.78	0.37	3.75	≤15.87	17.86	≤24.00	PASS
			TPC_H	6.09	91.78	0.37	6.46	≤15.87	20.57	≤30.00	PASS
	total	5700	TPC_L	---	---	---	6.24	≤15.87	20.35	≤24.00	PASS
			TPC_H	---	---	---	8.98	≤15.87	23.09	≤30.00	PASS
	Ant1	5745	NA	10.97	90.54	0.43	11.4	≤21.89	24.94	---	PASS
	Ant2	5745	NA	11.53	90.54	0.43	11.96	≤21.89	26.07	---	PASS
	total	5745	NA	---	---	---	14.7	≤21.89	28.81	---	PASS
	Ant1	5785	NA	11.11	90.54	0.43	11.54	≤21.89	25.08	---	PASS
	Ant2	5785	NA	11.03	91.78	0.37	11.4	≤21.89	25.51	---	PASS
	total	5785	NA	---	---	---	14.48	≤21.89	28.59	---	PASS
	Ant1	5825	NA	11.18	91.78	0.37	11.55	≤21.89	25.09	---	PASS
	Ant2	5825	NA	10.8	91.78	0.37	11.17	≤21.89	25.28	---	PASS
	total	5825	NA	---	---	---	14.37	≤21.89	28.48	---	PASS
11N40MI MO	Ant1	5190	NA	6.35	85	0.71	7.06	≤21.89	20.6	---	PASS
	Ant2	5190	NA	5.91	82.93	0.81	6.72	≤21.89	20.83	---	PASS
	total	5190	NA	---	---	---	9.9	≤21.89	24.01	---	PASS
	Ant1	5230	NA	5.93	85	0.71	6.64	≤21.89	20.18	---	PASS
	Ant2	5230	NA	5.84	82.93	0.81	6.65	≤21.89	20.76	---	PASS
	total	5230	NA	---	---	---	9.66	≤21.89	23.77	---	PASS
	Ant1	5270	TPC_L	2.04	82.93	0.81	2.85	≤15.87	16.39	≤24.00	PASS
			TPC_H	4.76	82.93	0.81	5.57	≤15.87	19.11	≤30.00	PASS
	Ant2	5270	TPC_L	2.94	82.93	0.81	3.75	≤15.87	17.86	≤24.00	PASS
			TPC_H	5.77	82.93	0.81	6.58	≤15.87	20.69	≤30.00	PASS
	total	5270	TPC_L	---	---	---	6.33	≤15.87	20.44	≤24.00	PASS
			TPC_H	---	---	---	9.11	≤15.87	23.22	≤30.00	PASS
	Ant1	5310	TPC_L	1.02	85	0.71	1.73	≤15.87	15.27	≤24.00	PASS
			TPC_H	4.22	85	0.71	4.93	≤15.87	18.47	≤30.00	PASS
	Ant2	5310	TPC_L	3.32	85	0.71	4.03	≤15.87	18.14	≤24.00	PASS
			TPC_H	6.11	85	0.71	6.82	≤15.87	20.93	≤30.00	PASS
	total	5310	TPC_L	---	---	---	6.04	≤15.87	20.15	≤24.00	PASS

			TPC_H	---	---	---	8.99	≤15.87	23.1	≤30.00	PASS
	Ant1	5510	TPC_L	2.99	85	0.71	3.7	≤15.87	17.24	≤24.00	PASS
			TPC_H	5.79	85	0.71	6.5	≤15.87	20.04	≤30.00	PASS
	Ant2	5510	TPC_L	2.39	82.93	0.81	3.2	≤15.87	17.31	≤24.00	PASS
			TPC_H	5.29	82.93	0.81	6.1	≤15.87	20.21	≤30.00	PASS
	total	5510	TPC_L	---	---	---	6.47	≤15.87	20.58	≤24.00	PASS
			TPC_H	---	---	---	9.31	≤15.87	23.42	≤30.00	PASS
	Ant1	5550	TPC_L	2.52	85	0.71	3.23	≤15.87	16.77	≤24.00	PASS
			TPC_H	5.32	85	0.71	6.03	≤15.87	19.57	≤30.00	PASS
	Ant2	5550	TPC_L	2.82	85	0.71	3.53	≤15.87	17.64	≤24.00	PASS
			TPC_H	5.75	85	0.71	6.46	≤15.87	20.57	≤30.00	PASS
	total	5550	TPC_L	---	---	---	6.39	≤15.87	20.5	≤24.00	PASS
			TPC_H	---	---	---	9.26	≤15.87	23.37	≤30.00	PASS
	Ant1	5670	TPC_L	2.27	85	0.71	2.98	≤15.87	16.52	≤24.00	PASS
			TPC_H	5.17	85	0.71	5.88	≤15.87	19.42	≤30.00	PASS
	Ant2	5670	TPC_L	3.89	85	0.71	4.6	≤15.87	18.71	≤24.00	PASS
			TPC_H	6.78	85	0.71	7.49	≤15.87	21.6	≤30.00	PASS
	total	5670	TPC_L	---	---	---	6.88	≤15.87	20.99	≤24.00	PASS
			TPC_H	---	---	---	9.77	≤15.87	23.88	≤30.00	PASS
	Ant1	5755	NA	11.4	85	0.71	12.11	≤21.89	25.65	---	PASS
	Ant2	5755	NA	11.88	85	0.71	12.59	≤21.89	26.7	---	PASS
	total	5755	NA	---	---	---	15.37	≤21.89	29.48	---	PASS
	Ant1	5795	NA	11.48	85	0.71	12.19	≤21.89	25.73	---	PASS
	Ant2	5795	NA	11.5	85	0.71	12.21	≤21.89	26.32	---	PASS
total	5795	NA	---	---	---	15.21	≤21.89	29.32	---	PASS	
11AC20 MIMO	Ant1	5180	NA	6.15	90.67	0.43	6.58	≤21.89	20.12	---	PASS
	Ant2	5180	NA	5.53	90.67	0.43	5.96	≤21.89	20.07	---	PASS
	total	5180	NA	---	---	---	9.29	≤21.89	23.4	---	PASS
	Ant1	5200	NA	6.01	90.67	0.43	6.44	≤21.89	19.98	---	PASS
	Ant2	5200	NA	5.69	90.67	0.43	6.12	≤21.89	20.23	---	PASS
	total	5200	NA	---	---	---	9.29	≤21.89	23.4	---	PASS
	Ant1	5240	NA	5.43	90.67	0.43	5.86	≤21.89	19.4	---	PASS
	Ant2	5240	NA	5.64	90.67	0.43	6.07	≤21.89	20.18	---	PASS
	total	5240	NA	---	---	---	8.98	≤21.89	23.09	---	PASS
	Ant1	5260	TPC_L	1.93	90.67	0.43	2.36	≤15.87	15.9	≤24.00	PASS
			TPC_H	4.61	90.67	0.43	5.04	≤15.87	18.58	≤30.00	PASS
	Ant2	5260	TPC_L	2.47	90.67	0.43	2.9	≤15.87	17.01	≤24.00	PASS
			TPC_H	5.28	90.67	0.43	5.71	≤15.87	19.82	≤30.00	PASS
	total	5260	TPC_L	---	---	---	5.65	≤15.87	19.76	≤24.00	PASS
			TPC_H	---	---	---	8.4	≤15.87	22.51	≤30.00	PASS
	Ant1	5280	TPC_L	1.51	90.67	0.43	1.94	≤15.87	15.48	≤24.00	PASS
			TPC_H	4.28	90.67	0.43	4.71	≤15.87	18.25	≤30.00	PASS
	Ant2	5280	TPC_L	3.26	90.67	0.43	3.69	≤15.87	17.8	≤24.00	PASS
TPC_H			5.55	90.67	0.43	5.98	≤15.87	20.09	≤30.00	PASS	

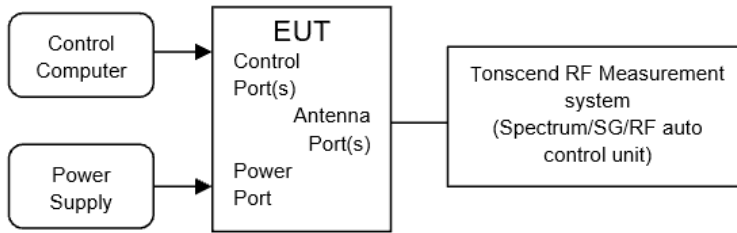
	total	5280	TPC_L	---	---	---	5.91	≤15.87	20.02	≤24.00	PASS
			TPC_H	---	---	---	8.4	≤15.87	22.51	≤30.00	PASS
	Ant1	5320	TPC_L	0.79	90.67	0.43	1.22	≤15.87	14.76	≤24.00	PASS
			TPC_H	3.78	90.67	0.43	4.21	≤15.87	17.75	≤30.00	PASS
	Ant2	5320	TPC_L	3.53	90.67	0.43	3.96	≤15.87	18.07	≤24.00	PASS
			TPC_H	5.75	90.67	0.43	6.18	≤15.87	20.29	≤30.00	PASS
	total	5320	TPC_L	---	---	---	5.81	≤15.87	19.92	≤24.00	PASS
			TPC_H	---	---	---	8.32	≤15.87	22.43	≤30.00	PASS
	Ant1	5500	TPC_L	2.76	90.67	0.43	3.19	≤15.87	16.73	≤24.00	PASS
			TPC_H	5.51	90.67	0.43	5.94	≤15.87	19.48	≤30.00	PASS
	Ant2	5500	TPC_L	2.53	90.67	0.43	2.96	≤15.87	17.07	≤24.00	PASS
			TPC_H	4.84	90.67	0.43	5.27	≤15.87	19.38	≤30.00	PASS
	total	5500	TPC_L	---	---	---	6.09	≤15.87	20.2	≤24.00	PASS
			TPC_H	---	---	---	8.63	≤15.87	22.74	≤30.00	PASS
	Ant1	5580	TPC_L	2.78	90.67	0.43	3.21	≤15.87	16.75	≤24.00	PASS
			TPC_H	5.6	90.67	0.43	6.03	≤15.87	19.57	≤30.00	PASS
	Ant2	5580	TPC_L	3.03	90.67	0.43	3.46	≤15.87	17.57	≤24.00	PASS
			TPC_H	5.4	90.67	0.43	5.83	≤15.87	19.94	≤30.00	PASS
	total	5580	TPC_L	---	---	---	6.35	≤15.87	20.46	≤24.00	PASS
			TPC_H	---	---	---	8.94	≤15.87	23.05	≤30.00	PASS
	Ant1	5700	TPC_L	2.1	90.67	0.43	2.53	≤15.87	16.07	≤24.00	PASS
			TPC_H	4.95	90.67	0.43	5.38	≤15.87	18.92	≤30.00	PASS
	Ant2	5700	TPC_L	3.84	90.67	0.43	4.27	≤15.87	18.38	≤24.00	PASS
			TPC_H	6.15	90.67	0.43	6.58	≤15.87	20.69	≤30.00	PASS
	total	5700	TPC_L	---	---	---	6.5	≤15.87	20.61	≤24.00	PASS
			TPC_H	---	---	---	9.03	≤15.87	23.14	≤30.00	PASS
	Ant1	5745	NA	10.87	90.67	0.43	11.3	≤21.89	24.84	---	PASS
	Ant2	5745	NA	11.49	90.67	0.43	11.92	≤21.89	26.03	---	PASS
	total	5745	NA	---	---	---	14.63	≤21.89	28.74	---	PASS
	Ant1	5785	NA	11.08	90.67	0.43	11.51	≤21.89	25.05	---	PASS
	Ant2	5785	NA	11.11	90.67	0.43	11.54	≤21.89	25.65	---	PASS
	total	5785	NA	---	---	---	14.54	≤21.89	28.65	---	PASS
	Ant1	5825	NA	11.23	90.67	0.43	11.66	≤21.89	25.2	---	PASS
	Ant2	5825	NA	10.88	90.67	0.43	11.31	≤21.89	25.42	---	PASS
	total	5825	NA	---	---	---	14.5	≤21.89	28.61	---	PASS
11AC40 MIMO	Ant1	5190	NA	6.41	85.37	0.69	7.1	≤21.89	20.64	---	PASS
	Ant2	5190	NA	6	83.33	0.79	6.79	≤21.89	20.9	---	PASS
	total	5190	NA	---	---	---	9.96	≤21.89	24.07	---	PASS
	Ant1	5230	NA	6.03	85.37	0.69	6.72	≤21.89	20.26	---	PASS
	Ant2	5230	NA	6.14	85.37	0.69	6.83	≤21.89	20.94	---	PASS
	total	5230	NA	---	---	---	9.79	≤21.89	23.9	---	PASS
	Ant1	5270	TPC_L	1.59	85.37	0.69	2.28	≤15.87	15.82	≤24.00	PASS
			TPC_H	4.83	85.37	0.69	5.52	≤15.87	19.06	≤30.00	PASS
	Ant2	5270	TPC_L	2.92	85.37	0.69	3.61	≤15.87	17.72	≤24.00	PASS

			TPC_H	5.63	85.37	0.69	6.32	≤15.87	20.43	≤30.00	PASS
	total	5270	TPC_L	---	---	---	6.01	≤15.87	20.12	≤24.00	PASS
			TPC_H	---	---	---	8.95	≤15.87	23.06	≤30.00	PASS
	Ant1	5310	TPC_L	1.01	85.37	0.69	1.7	≤15.87	15.24	≤24.00	PASS
			TPC_H	3.97	85.37	0.69	4.66	≤15.87	18.2	≤30.00	PASS
	Ant2	5310	TPC_L	3.32	85.37	0.69	4.01	≤15.87	18.12	≤24.00	PASS
			TPC_H	5.87	85.37	0.69	6.56	≤15.87	20.67	≤30.00	PASS
	total	5310	TPC_L	---	---	---	6.02	≤15.87	20.13	≤24.00	PASS
			TPC_H	---	---	---	8.72	≤15.87	22.83	≤30.00	PASS
	Ant1	5510	TPC_L	2.98	83.33	0.79	3.77	≤15.87	17.31	≤24.00	PASS
			TPC_H	6.01	83.33	0.79	6.8	≤15.87	20.34	≤30.00	PASS
	Ant2	5510	TPC_L	2.41	85.37	0.69	3.1	≤15.87	17.21	≤24.00	PASS
			TPC_H	5.46	85.37	0.69	6.15	≤15.87	20.26	≤30.00	PASS
	total	5510	TPC_L	---	---	---	6.46	≤15.87	20.57	≤24.00	PASS
			TPC_H	---	---	---	9.5	≤15.87	23.61	≤30.00	PASS
	Ant1	5550	TPC_L	2.53	85.37	0.69	3.22	≤15.87	16.76	≤24.00	PASS
			TPC_H	5.44	85.37	0.69	6.13	≤15.87	19.67	≤30.00	PASS
	Ant2	5550	TPC_L	2.82	85.37	0.69	3.51	≤15.87	17.62	≤24.00	PASS
			TPC_H	5.81	85.37	0.69	6.5	≤15.87	20.61	≤30.00	PASS
	total	5550	TPC_L	---	---	---	6.38	≤15.87	20.49	≤24.00	PASS
			TPC_H	---	---	---	9.33	≤15.87	23.44	≤30.00	PASS
	Ant1	5670	TPC_L	2.66	85.37	0.69	3.35	≤15.87	16.89	≤24.00	PASS
			TPC_H	5.2	85.37	0.69	5.89	≤15.87	19.43	≤30.00	PASS
	Ant2	5670	TPC_L	4.24	83.33	0.79	5.03	≤15.87	19.14	≤24.00	PASS
			TPC_H	6.79	83.33	0.79	7.58	≤15.87	21.69	≤30.00	PASS
	total	5670	TPC_L	---	---	---	7.28	≤15.87	21.39	≤24.00	PASS
			TPC_H	---	---	---	9.83	≤15.87	23.94	≤30.00	PASS
	Ant1	5755	NA	11.38	85.37	0.69	12.07	≤21.89	25.61	---	PASS
	Ant2	5755	NA	11.87	85.37	0.69	12.56	≤21.89	26.67	---	PASS
	total	5755	NA	---	---	---	15.33	≤21.89	29.44	---	PASS
Ant1	5795	NA	11.58	85.37	0.69	12.27	≤21.89	25.81	---	PASS	
Ant2	5795	NA	11.54	83.33	0.79	12.33	≤21.89	26.44	---	PASS	
total	5795	NA	---	---	---	15.31	≤21.89	29.42	---	PASS	
11AC80 MIMO	Ant1	5210	NA	6.13	75	1.25	7.38	≤21.89	20.92	---	PASS
	Ant2	5210	NA	6.11	75	1.25	7.36	≤21.89	21.47	---	PASS
	total	5210	NA	---	---	---	10.38	≤21.89	24.49	---	PASS
	Ant1	5290	TPC_L	0.09	75	1.25	1.34	≤15.87	14.88	≤24.00	PASS
			TPC_H	4.44	75	1.25	5.69	≤15.87	19.23	≤30.00	PASS
	Ant2	5290	TPC_L	2.12	75	1.25	3.37	≤15.87	17.48	≤24.00	PASS
			TPC_H	5.97	75	1.25	7.22	≤15.87	21.33	≤30.00	PASS
	total	5290	TPC_L	---	---	---	5.48	≤15.87	19.59	≤24.00	PASS
			TPC_H	---	---	---	9.53	≤15.87	23.64	≤30.00	PASS
	Ant1	5530	TPC_L	1.06	75	1.25	2.31	≤15.87	15.85	≤24.00	PASS
TPC_H			5.53	75	1.25	6.78	≤15.87	20.32	≤30.00	PASS	

	Ant2	5530	TPC_L	0.83	75	1.25	2.08	≤15.87	16.19	≤24.00	PASS
			TPC_H	5.49	75	1.25	6.74	≤15.87	20.85	≤30.00	PASS
	total	5530	TPC_L	---	---	---	5.21	≤15.87	19.32	≤24.00	PASS
			TPC_H	---	---	---	9.77	≤15.87	23.88	≤30.00	PASS
	Ant1	5610	TPC_L	0.98	75	1.25	2.23	≤15.87	15.77	≤24.00	PASS
			TPC_H	4.98	75	1.25	6.23	≤15.87	19.77	≤30.00	PASS
	Ant2	5610	TPC_L	1.26	75	1.25	2.51	≤15.87	16.62	≤24.00	PASS
			TPC_H	5.91	75	1.25	7.16	≤15.87	21.27	≤30.00	PASS
	total	5610	TPC_L	---	---	---	5.38	≤15.87	19.49	≤24.00	PASS
			TPC_H	---	---	---	9.73	≤15.87	23.84	≤30.00	PASS
	Ant1	5775	NA	10.35	75	1.25	11.6	≤21.89	25.14	---	PASS
	Ant2	5775	NA	10.58	75	1.25	11.83	≤21.89	25.94	---	PASS
	total	5775	NA	---	---	---	14.73	≤21.89	28.84	---	PASS

9. Power Spectral Density

9.1. Block diagram of test setup



9.2. Limits

FCC Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
Power Spectral Density	For other than Mobile and portable:17 dBm/MHz Mobile and portable client devices:11 dBm/MHz	5150-5250
	11 dBm/MHz	5250-5350
	11 dBm/MHz	5470 - 5725
	30 dBm/500 kHz	5725-5850
Note: If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi, but for fixed point-to-point transmitters operating in 5150-5250MHz band that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum Power Spectral Density.		

9.3. Test procedure

The transmitter output was connected to a spectrum analyzer. Power density was measured by spectrum analyzer with 1MHz RBW and 3MHz VBW.

Connect the UUT to the spectrum analyser and use the following settings:

5150 MHz~5250 MHz, 5250 MHz~5350 MHz, 5470 MHz~5725 MHz

Center Frequency	The centre frequency of the channel under test
Detector	RMS
RBW	1MHz
VBW	$\geq 3 \times \text{RBW}$
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

5725 MHz-5850 MHz

Center Frequency	The centre frequency of the channel under test
Detector	RMS

RBW	500 kHz
VBW	$\geq 3 \times \text{RBW}$
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

9.4. Test result

Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 1#
Ambient Condition:	28.6℃,40.1%RH	Test Date:	2025.09.26-2025.12.25
Test Power Supply:	AC120V/60Hz	Sample Number:	S25082809-001

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	EIRP PSD [dBm/MHz]	Verdict
11A-CDD	Ant1	5180	-4.41	≤8.89	9.13	PASS
	Ant2	5180	-5.27	≤8.89	8.84	PASS
	total	5180	-1.81	≤8.89	12.3	PASS
	Ant1	5200	-4.28	≤8.89	9.26	PASS
	Ant2	5200	-4.97	≤8.89	9.14	PASS
	total	5200	-1.60	≤8.89	12.51	PASS
	Ant1	5240	-4.92	≤8.89	8.62	PASS
	Ant2	5240	-5.05	≤8.89	9.06	PASS
	total	5240	-1.97	≤8.89	12.14	PASS
	Ant1	5260	-5.70	≤2.89	7.84	PASS
	Ant2	5260	-5.44	≤2.89	8.67	PASS
	total	5260	-2.56	≤2.89	11.55	PASS
	Ant1	5280	-6.03	≤2.89	7.51	PASS
	Ant2	5280	-5.21	≤2.89	8.9	PASS
	total	5280	-2.59	≤2.89	11.52	PASS
	Ant1	5320	-6.60	≤2.89	6.94	PASS
	Ant2	5320	-4.98	≤2.89	9.13	PASS
	total	5320	-2.70	≤2.89	11.41	PASS
	Ant1	5500	-4.88	≤2.89	8.66	PASS
	Ant2	5500	-5.78	≤2.89	8.33	PASS
	total	5500	-2.30	≤2.89	11.81	PASS
	Ant1	5580	-4.86	≤2.89	8.68	PASS
	Ant2	5580	-5.39	≤2.89	8.72	PASS
	total	5580	-2.11	≤2.89	12	PASS
	Ant1	5700	-5.62	≤2.89	7.92	PASS
	Ant2	5700	-4.62	≤2.89	9.49	PASS
	total	5700	-2.08	≤2.89	12.03	PASS
	Ant1	5745	-2.28	≤21.89	11.26	PASS
	Ant2	5745	-2.13	≤21.89	11.98	PASS
	total	5745	0.81	≤21.89	14.92	PASS
	Ant1	5785	-2.05	≤21.89	11.49	PASS
	Ant2	5785	-2.29	≤21.89	11.82	PASS
	total	5785	0.84	≤21.89	14.95	PASS
	Ant1	5825	-1.89	≤21.89	11.65	PASS
	Ant2	5825	-2.75	≤21.89	11.36	PASS
	total	5825	0.71	≤21.89	14.82	PASS
11N20MIMO	Ant1	5180	-4.71	≤8.89	8.83	PASS
	Ant2	5180	-5.69	≤8.89	8.42	PASS
	total	5180	-2.16	≤8.89	11.95	PASS
	Ant1	5200	-4.79	≤8.89	8.75	PASS
	Ant2	5200	-5.01	≤8.89	9.1	PASS
	total	5200	-1.89	≤8.89	12.22	PASS
	Ant1	5240	-5.00	≤8.89	8.54	PASS

	Ant2	5240	-5.26	≤8.89	8.85	PASS
	total	5240	-2.12	≤8.89	11.99	PASS
	Ant1	5260	-5.94	≤2.89	7.6	PASS
	Ant2	5260	-5.48	≤2.89	8.63	PASS
	total	5260	-2.69	≤2.89	11.42	PASS
	Ant1	5280	-6.31	≤2.89	7.23	PASS
	Ant2	5280	-5.54	≤2.89	8.57	PASS
	total	5280	-2.90	≤2.89	11.21	PASS
	Ant1	5320	-6.90	≤2.89	6.64	PASS
	Ant2	5320	-5.35	≤2.89	8.76	PASS
	total	5320	-3.05	≤2.89	11.06	PASS
	Ant1	5500	-5.32	≤2.89	8.22	PASS
	Ant2	5500	-6.16	≤2.89	7.95	PASS
	total	5500	-2.71	≤2.89	11.4	PASS
	Ant1	5580	-5.20	≤2.89	8.34	PASS
	Ant2	5580	-5.72	≤2.89	8.39	PASS
	total	5580	-2.44	≤2.89	11.67	PASS
	Ant1	5700	-5.89	≤2.89	7.65	PASS
	Ant2	5700	-5.07	≤2.89	9.04	PASS
	total	5700	-2.45	≤2.89	11.66	PASS
	Ant1	5745	-2.52	≤21.89	11.02	PASS
	Ant2	5745	-2.35	≤21.89	11.76	PASS
	total	5745	0.58	≤21.89	14.69	PASS
	Ant1	5785	-2.28	≤21.89	11.26	PASS
	Ant2	5785	-2.87	≤21.89	11.24	PASS
	total	5785	0.45	≤21.89	14.56	PASS
	Ant1	5825	-2.58	≤21.89	10.96	PASS
	Ant2	5825	-3.40	≤21.89	10.71	PASS
	total	5825	0.04	≤21.89	14.15	PASS
11N40MIMO	Ant1	5190	-6.98	≤8.89	6.56	PASS
	Ant2	5190	-7.63	≤8.89	6.48	PASS
	total	5190	-4.28	≤8.89	9.83	PASS
	Ant1	5230	-7.57	≤8.89	5.97	PASS
	Ant2	5230	-7.92	≤8.89	6.19	PASS
	total	5230	-4.73	≤8.89	9.38	PASS
	Ant1	5270	-8.43	≤2.89	5.11	PASS
	Ant2	5270	-7.88	≤2.89	6.23	PASS
	total	5270	-5.14	≤2.89	8.97	PASS
	Ant1	5310	-9.23	≤2.89	4.31	PASS
	Ant2	5310	-7.51	≤2.89	6.6	PASS
	total	5310	-5.28	≤2.89	8.83	PASS
	Ant1	5510	-7.71	≤2.89	5.83	PASS
	Ant2	5510	-8.47	≤2.89	5.64	PASS
	total	5510	-5.06	≤2.89	9.05	PASS
	Ant1	5550	-7.96	≤2.89	5.58	PASS
	Ant2	5550	-8.06	≤2.89	6.05	PASS
	total	5550	-5.00	≤2.89	9.11	PASS
	Ant1	5670	-8.51	≤2.89	5.03	PASS
	Ant2	5670	-7.28	≤2.89	6.83	PASS
	total	5670	-4.84	≤2.89	9.27	PASS
	Ant1	5755	-5.25	≤21.89	8.29	PASS

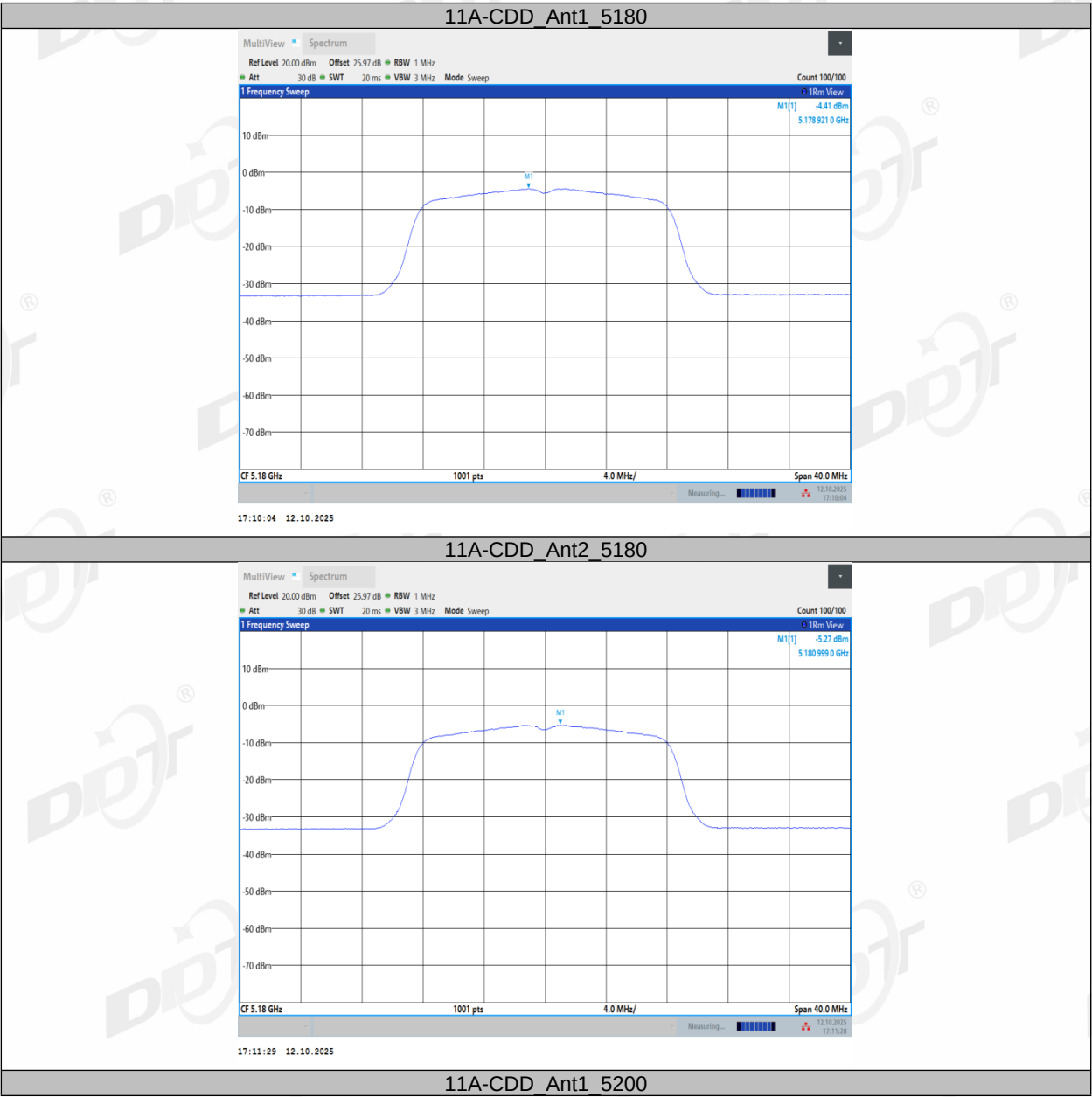
	Ant2	5755	-4.80	≤ 21.89	9.31	PASS
	total	5755	-2.01	≤ 21.89	12.1	PASS
	Ant1	5795	-4.97	≤ 21.89	8.57	PASS
	Ant2	5795	-5.27	≤ 21.89	8.84	PASS
	total	5795	-2.11	≤ 21.89	12	PASS
11AC20MIMO	Ant1	5180	-4.51	≤ 8.89	9.03	PASS
	Ant2	5180	-5.36	≤ 8.89	8.75	PASS
	total	5180	-1.90	≤ 8.89	12.21	PASS
	Ant1	5200	-4.48	≤ 8.89	9.06	PASS
	Ant2	5200	-5.14	≤ 8.89	8.97	PASS
	total	5200	-1.79	≤ 8.89	12.32	PASS
	Ant1	5240	-5.15	≤ 8.89	8.39	PASS
	Ant2	5240	-5.19	≤ 8.89	8.92	PASS
	total	5240	-2.16	≤ 8.89	11.95	PASS
	Ant1	5260	-5.94	≤ 2.89	7.6	PASS
	Ant2	5260	-5.66	≤ 2.89	8.45	PASS
	total	5260	-2.79	≤ 2.89	11.32	PASS
	Ant1	5280	-6.31	≤ 2.89	7.23	PASS
	Ant2	5280	-5.45	≤ 2.89	8.66	PASS
	total	5280	-2.85	≤ 2.89	11.26	PASS
	Ant1	5320	-6.93	≤ 2.89	6.61	PASS
	Ant2	5320	-5.35	≤ 2.89	8.76	PASS
	total	5320	-3.06	≤ 2.89	11.05	PASS
	Ant1	5500	-5.23	≤ 2.89	8.31	PASS
	Ant2	5500	-6.21	≤ 2.89	7.9	PASS
	total	5500	-2.68	≤ 2.89	11.43	PASS
	Ant1	5580	-5.27	≤ 2.89	8.27	PASS
	Ant2	5580	-5.78	≤ 2.89	8.33	PASS
	total	5580	-2.51	≤ 2.89	11.6	PASS
	Ant1	5700	-5.88	≤ 2.89	7.66	PASS
	Ant2	5700	-5.12	≤ 2.89	8.99	PASS
	total	5700	-2.47	≤ 2.89	11.64	PASS
	Ant1	5745	-2.65	≤ 21.89	10.89	PASS
	Ant2	5745	-2.46	≤ 21.89	11.65	PASS
	total	5745	0.46	≤ 21.89	14.57	PASS
	Ant1	5785	-2.39	≤ 21.89	11.15	PASS
	Ant2	5785	-2.73	≤ 21.89	11.38	PASS
	total	5785	0.45	≤ 21.89	14.56	PASS
	Ant1	5825	-2.41	≤ 21.89	11.13	PASS
	Ant2	5825	-3.17	≤ 21.89	10.94	PASS
	total	5825	0.24	≤ 21.89	14.35	PASS
11AC40MIMO	Ant1	5190	-7.04	≤ 8.89	6.5	PASS
	Ant2	5190	-7.59	≤ 8.89	6.52	PASS
	total	5190	-4.30	≤ 8.89	9.81	PASS
	Ant1	5230	-7.42	≤ 8.89	6.12	PASS
	Ant2	5230	-7.48	≤ 8.89	6.63	PASS
	total	5230	-4.44	≤ 8.89	9.67	PASS
	Ant1	5270	-8.52	≤ 2.89	5.02	PASS
	Ant2	5270	-8.06	≤ 2.89	6.05	PASS
	total	5270	-5.27	≤ 2.89	8.84	PASS
	Ant1	5310	-9.25	≤ 2.89	4.29	PASS

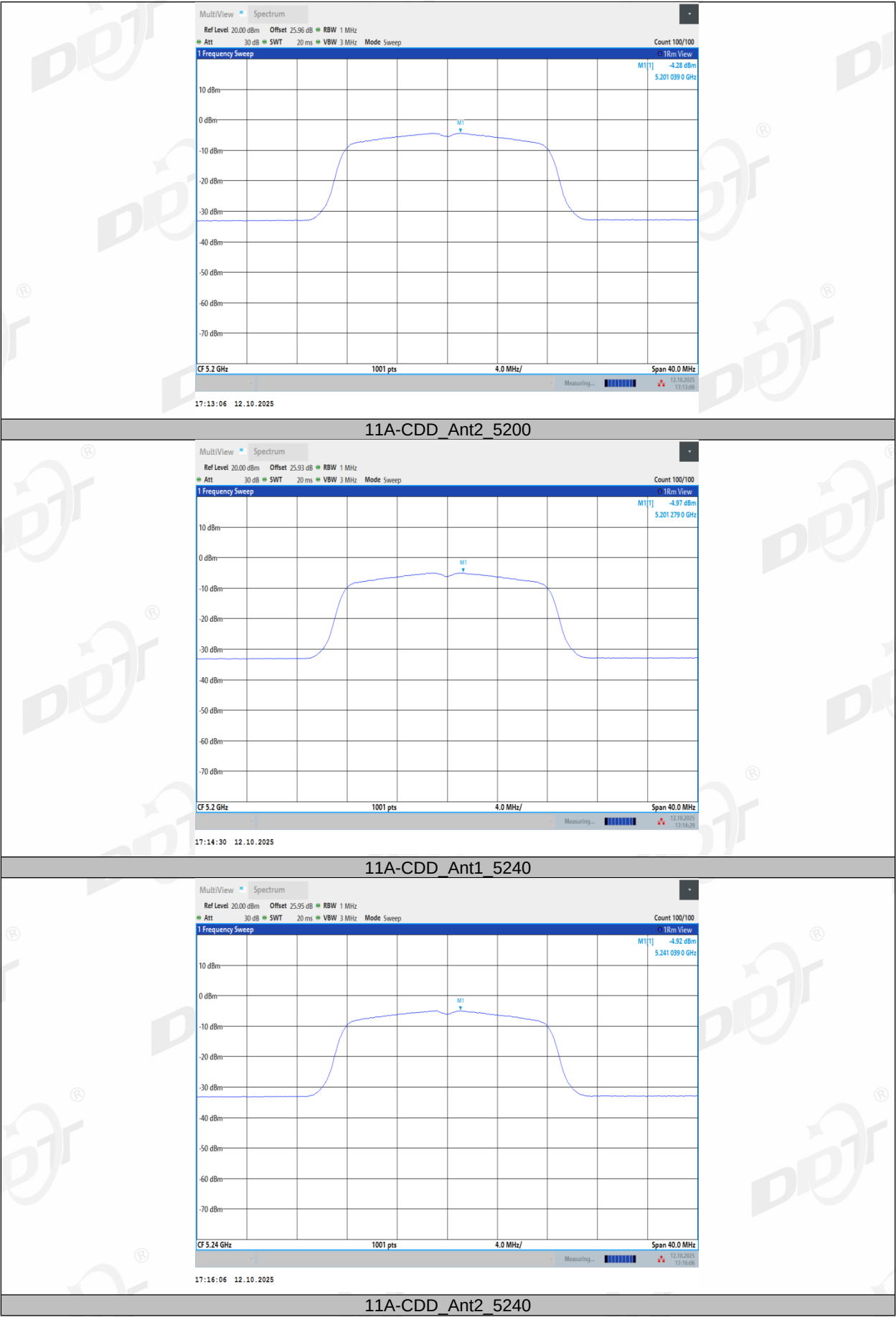
	Ant2	5310	-7.33	≤ 2.89	6.78	PASS
	total	5310	-5.17	≤ 2.89	8.94	PASS
	Ant1	5510	-7.51	≤ 2.89	6.03	PASS
	Ant2	5510	-8.37	≤ 2.89	5.74	PASS
	total	5510	-4.91	≤ 2.89	9.2	PASS
	Ant1	5550	-7.86	≤ 2.89	5.68	PASS
	Ant2	5550	-7.99	≤ 2.89	6.12	PASS
	total	5550	-4.91	≤ 2.89	9.2	PASS
	Ant1	5670	-8.63	≤ 2.89	4.91	PASS
	Ant2	5670	-7.25	≤ 2.89	6.86	PASS
	total	5670	-4.88	≤ 2.89	9.23	PASS
	Ant1	5755	-5.38	≤ 21.89	8.16	PASS
	Ant2	5755	-5.03	≤ 21.89	9.08	PASS
	total	5755	-2.19	≤ 21.89	11.92	PASS
	Ant1	5795	-4.99	≤ 21.89	8.55	PASS
	Ant2	5795	-5.11	≤ 21.89	9	PASS
	total	5795	-2.04	≤ 21.89	12.07	PASS
11AC80MIMO	Ant1	5210	-9.97	≤ 8.89	3.57	PASS
	Ant2	5210	-10.15	≤ 8.89	3.96	PASS
	total	5210	-7.05	≤ 8.89	7.06	PASS
	Ant1	5290	-11.65	≤ 2.89	1.89	PASS
	Ant2	5290	-10.36	≤ 2.89	3.75	PASS
	total	5290	-7.95	≤ 2.89	6.16	PASS
	Ant1	5530	-10.53	≤ 2.89	3.01	PASS
	Ant2	5530	-10.87	≤ 2.89	3.24	PASS
	total	5530	-7.69	≤ 2.89	6.42	PASS
	Ant1	5610	-10.59	≤ 2.89	2.95	PASS
	Ant2	5610	-10.62	≤ 2.89	3.49	PASS
	total	5610	-7.59	≤ 2.89	6.52	PASS
	Ant1	5775	-8.70	≤ 21.89	4.84	PASS
	Ant2	5775	-8.64	≤ 21.89	5.47	PASS
	total	5775	-5.66	≤ 21.89	8.45	PASS

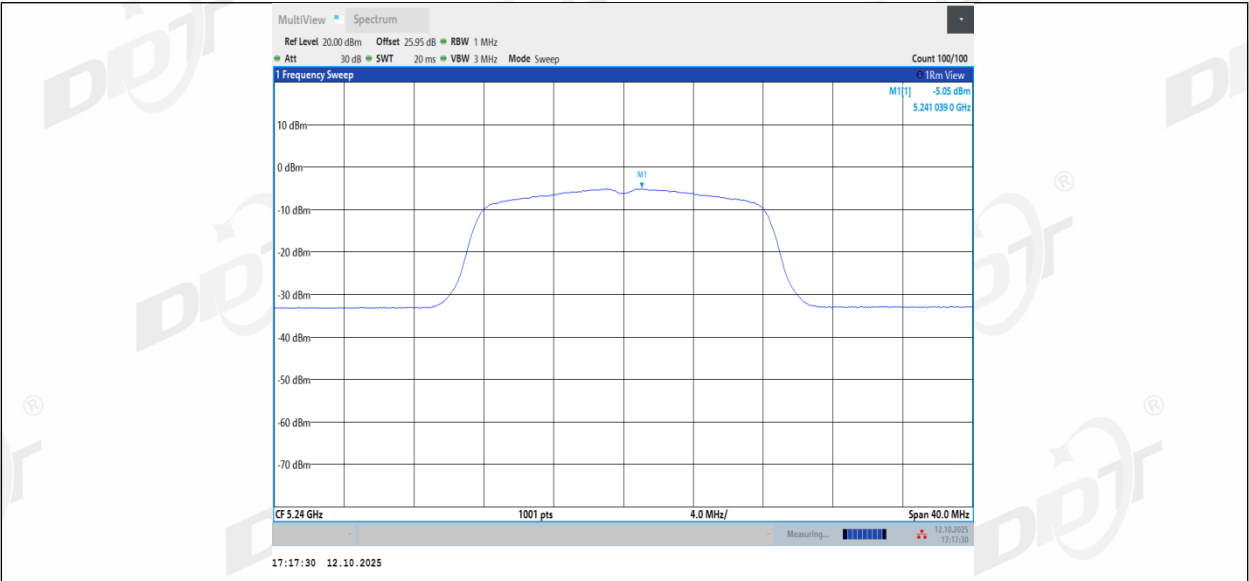
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2.The Duty Cycle Factor is compensated in the graph.

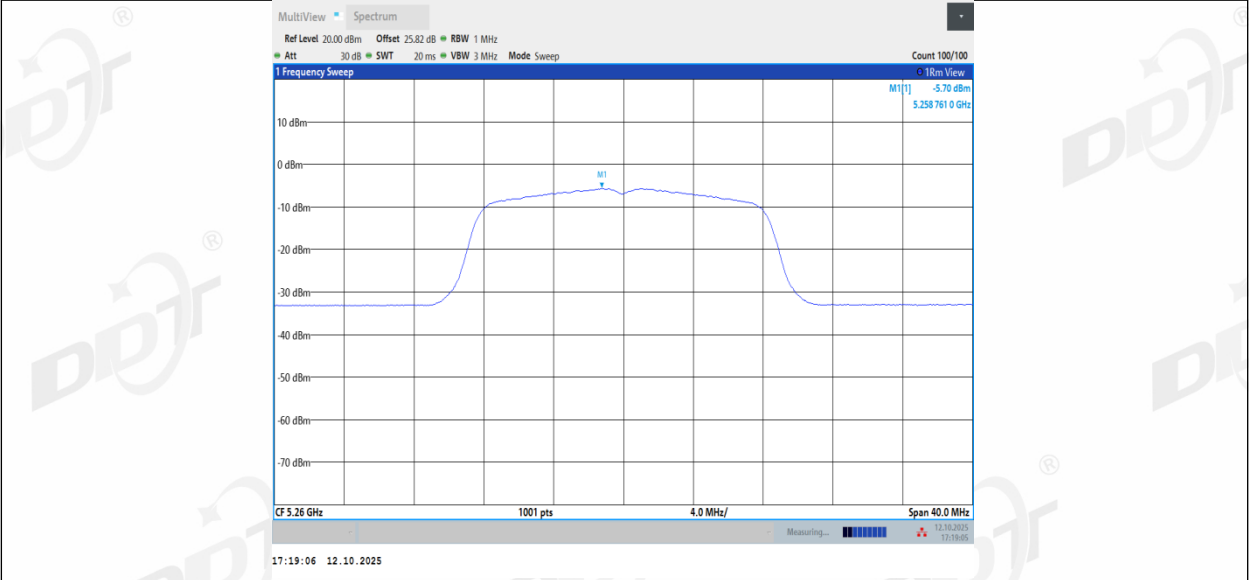
9.5. Test graphs



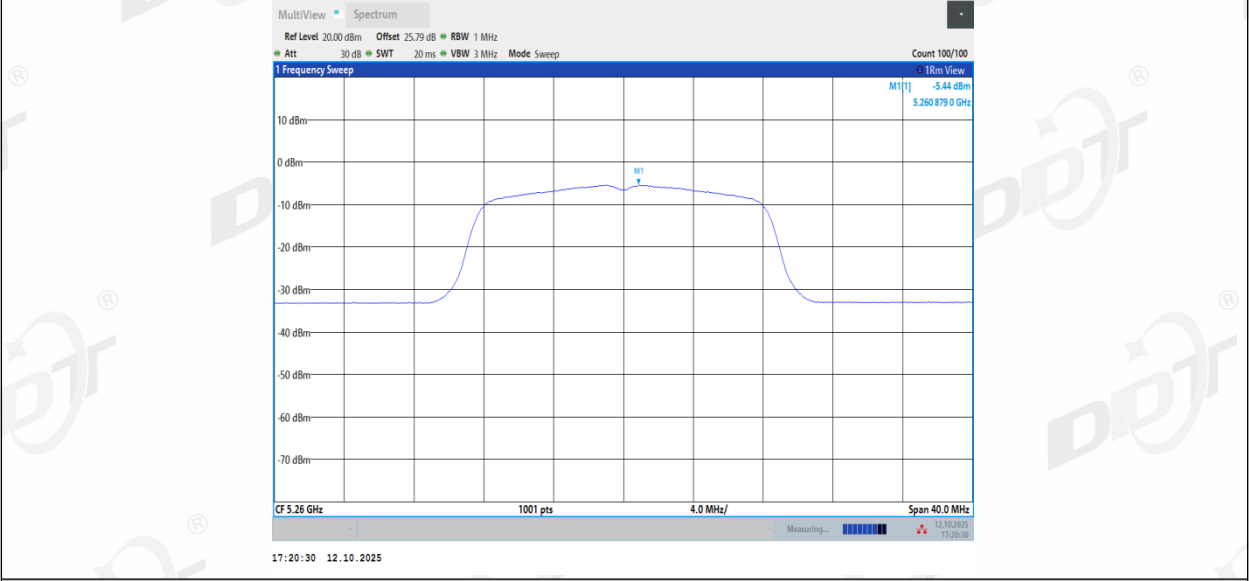




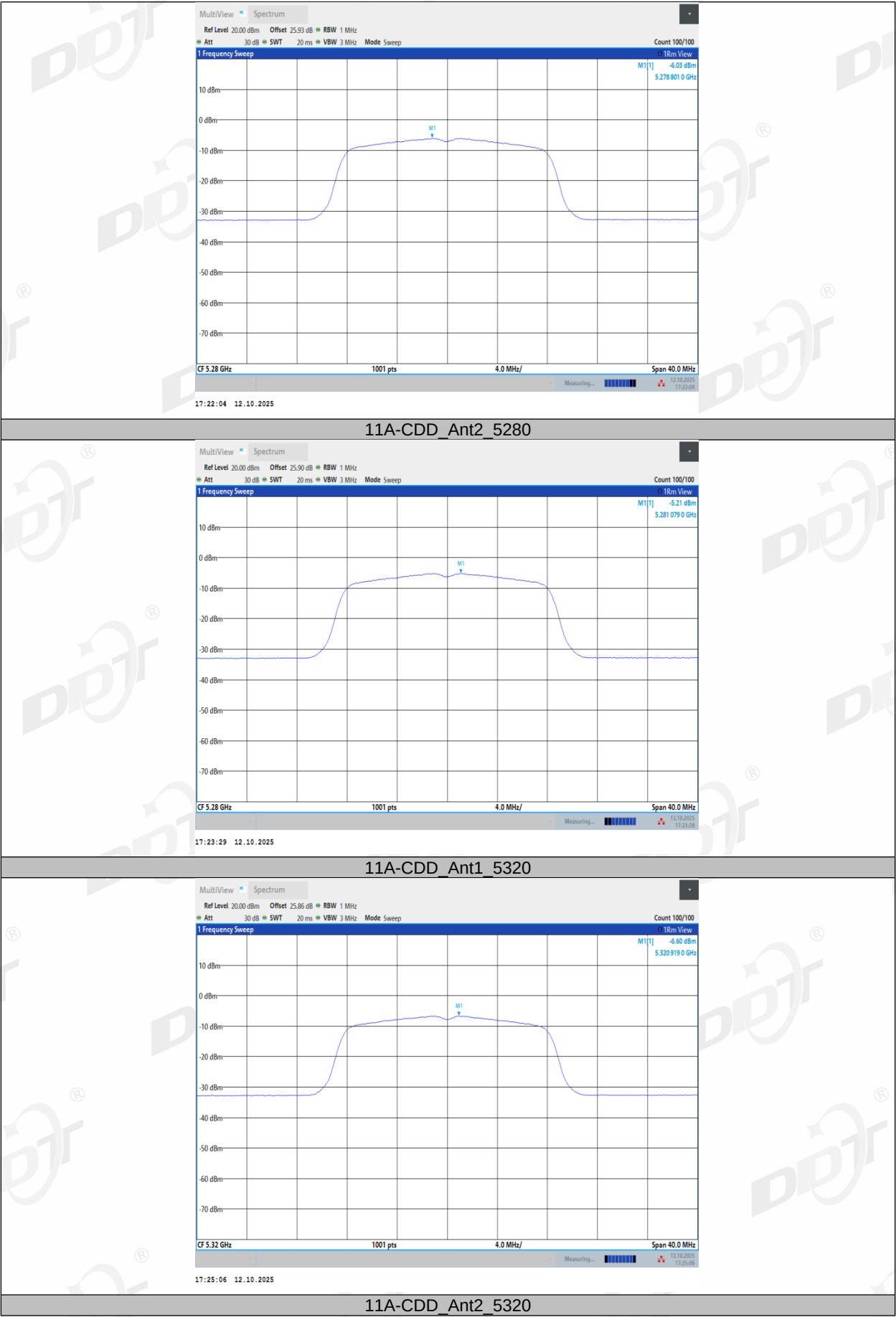
11A-CDD_Ant1_5260

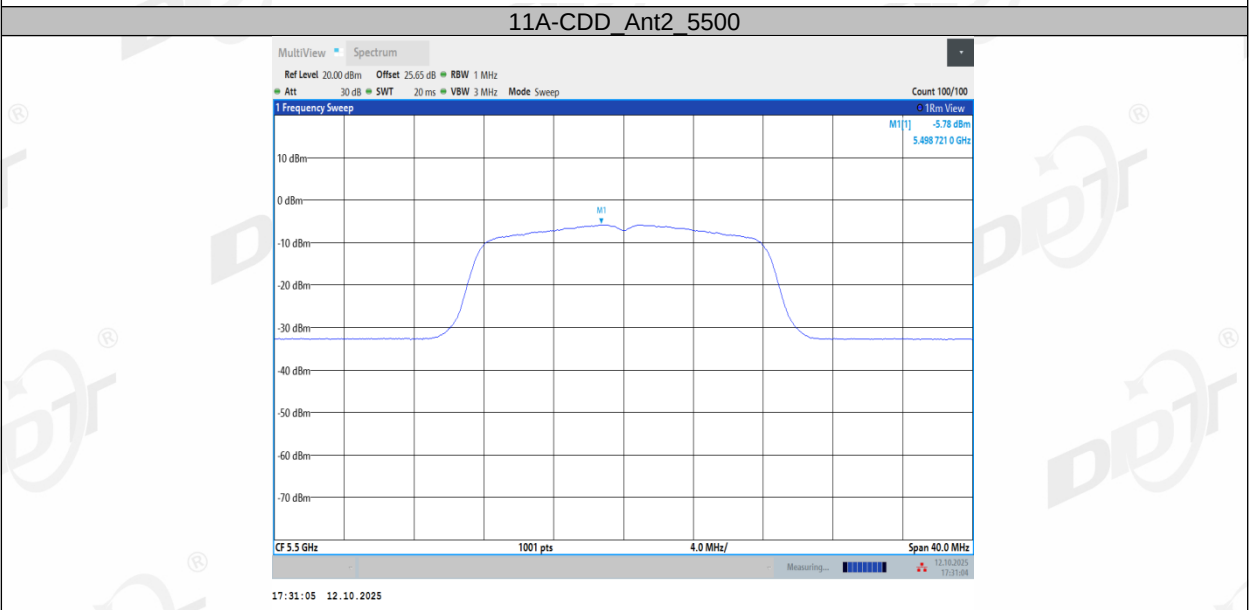
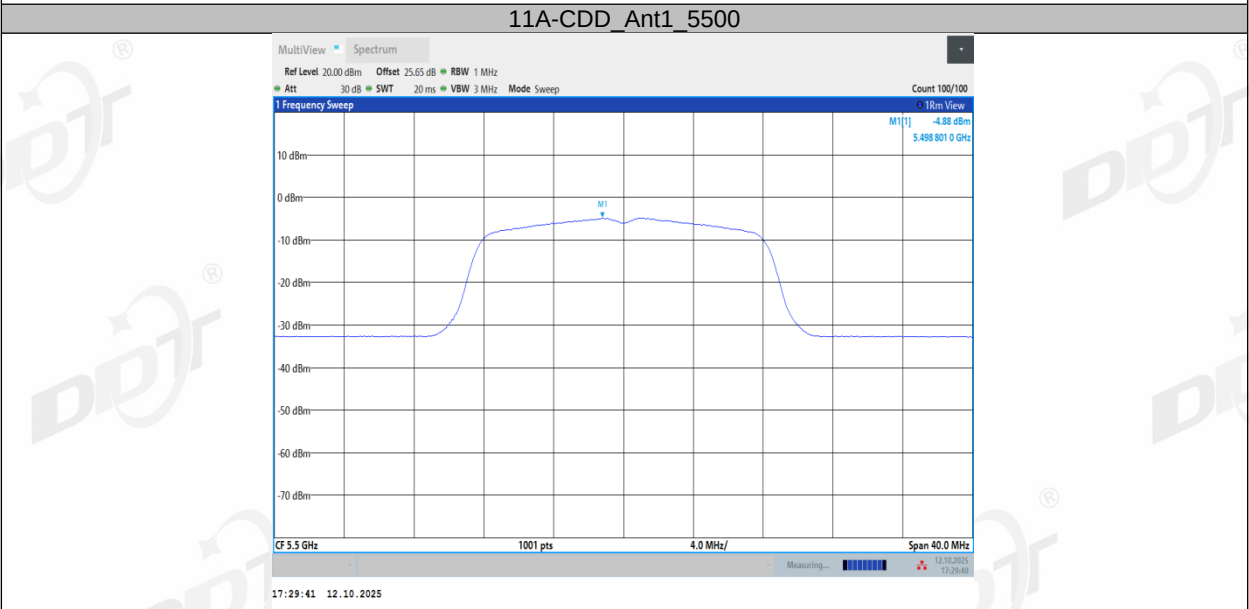
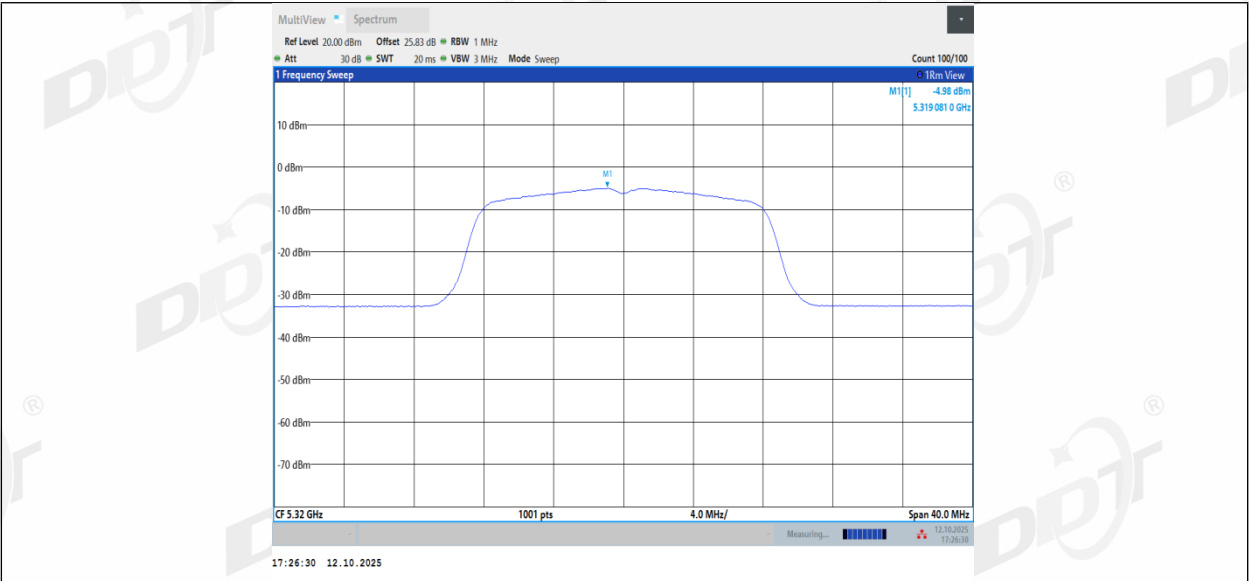


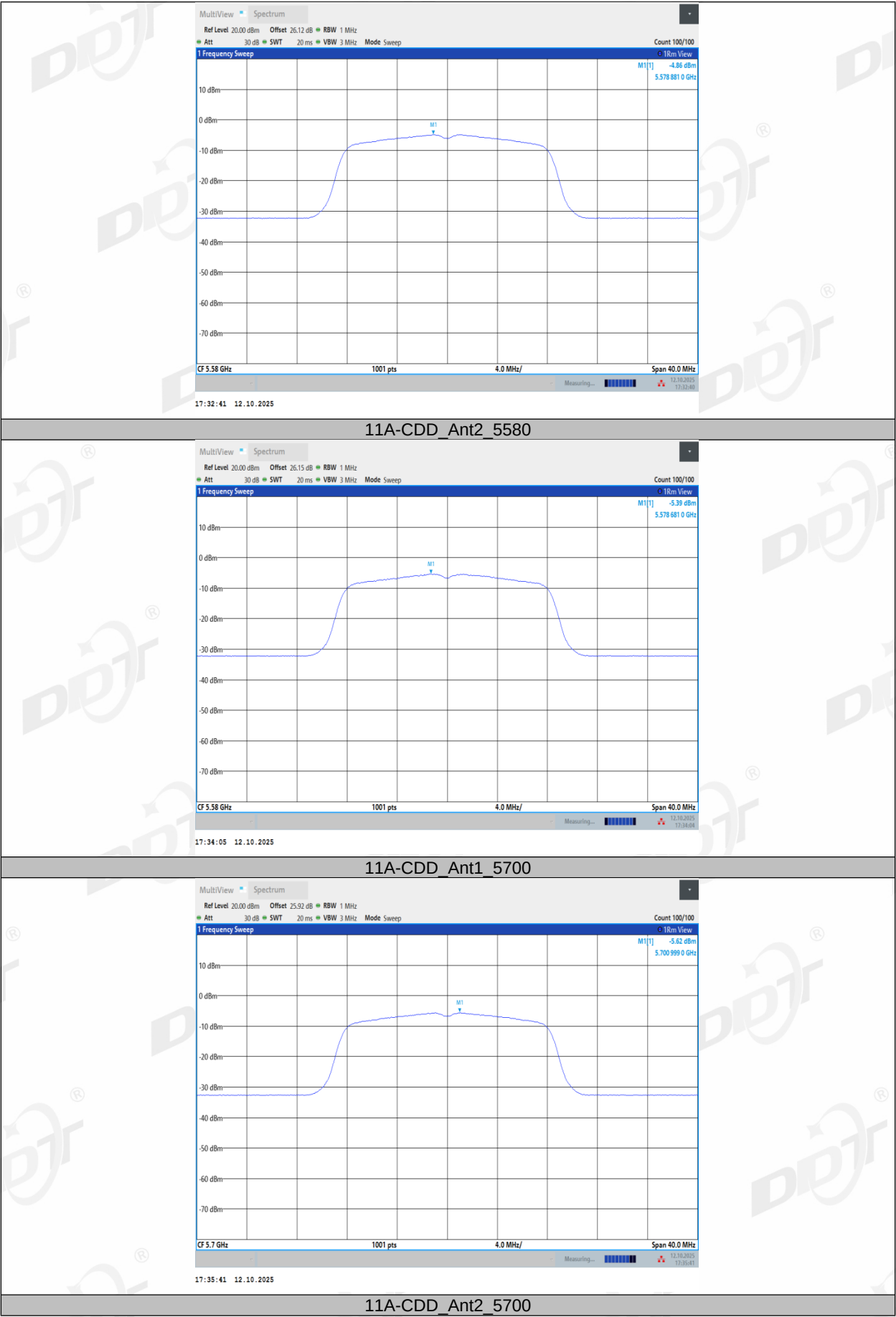
11A-CDD_Ant2_5260

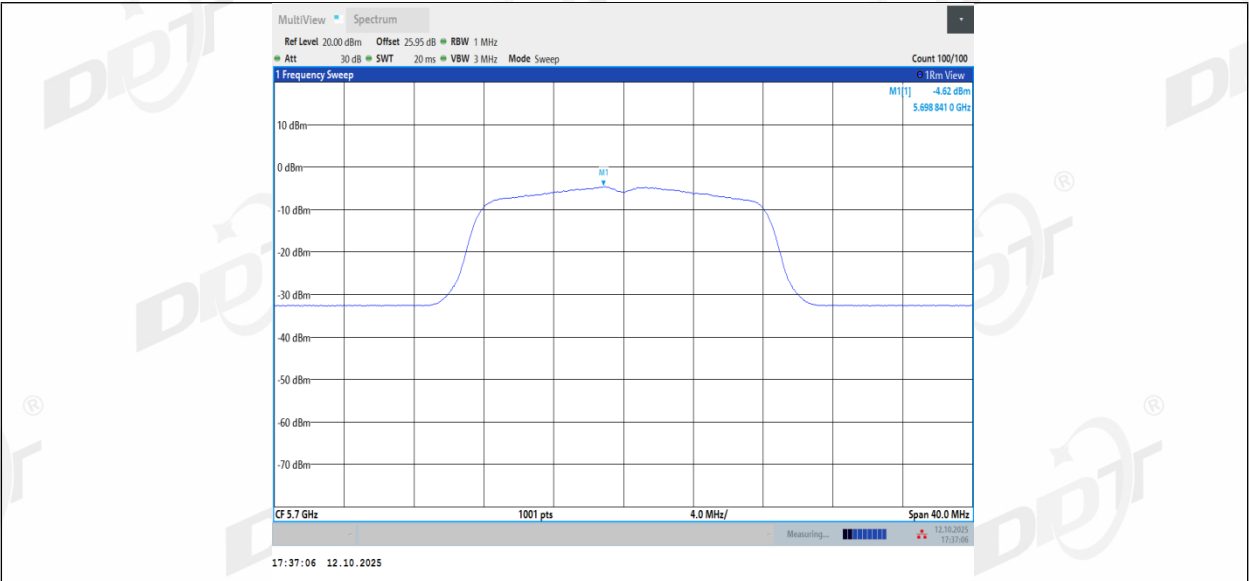


11A-CDD_Ant1_5280

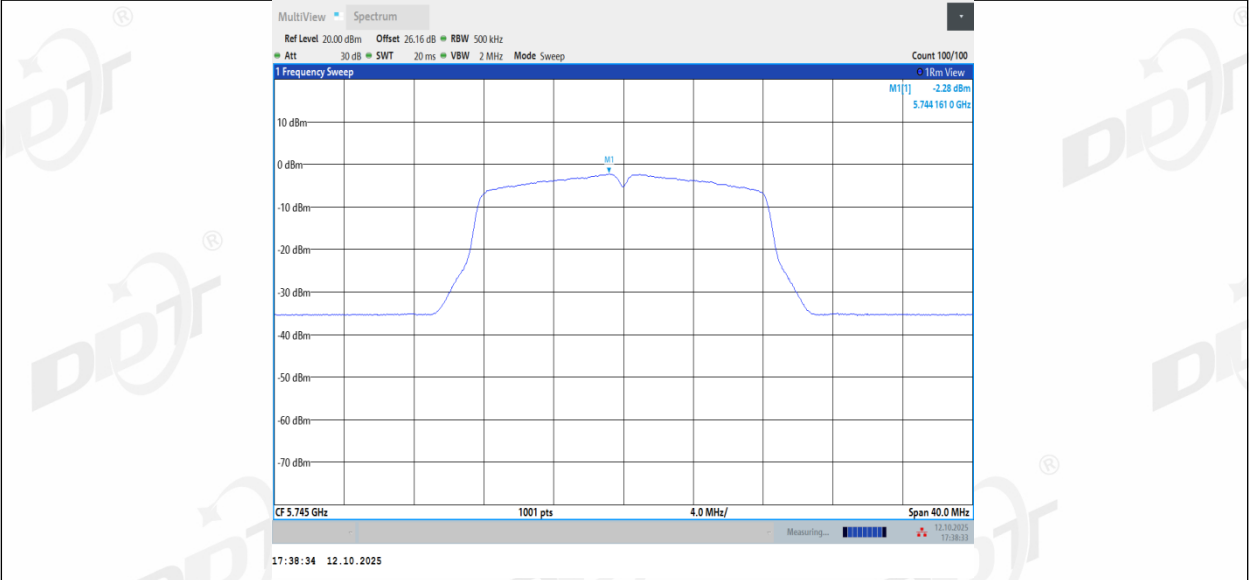




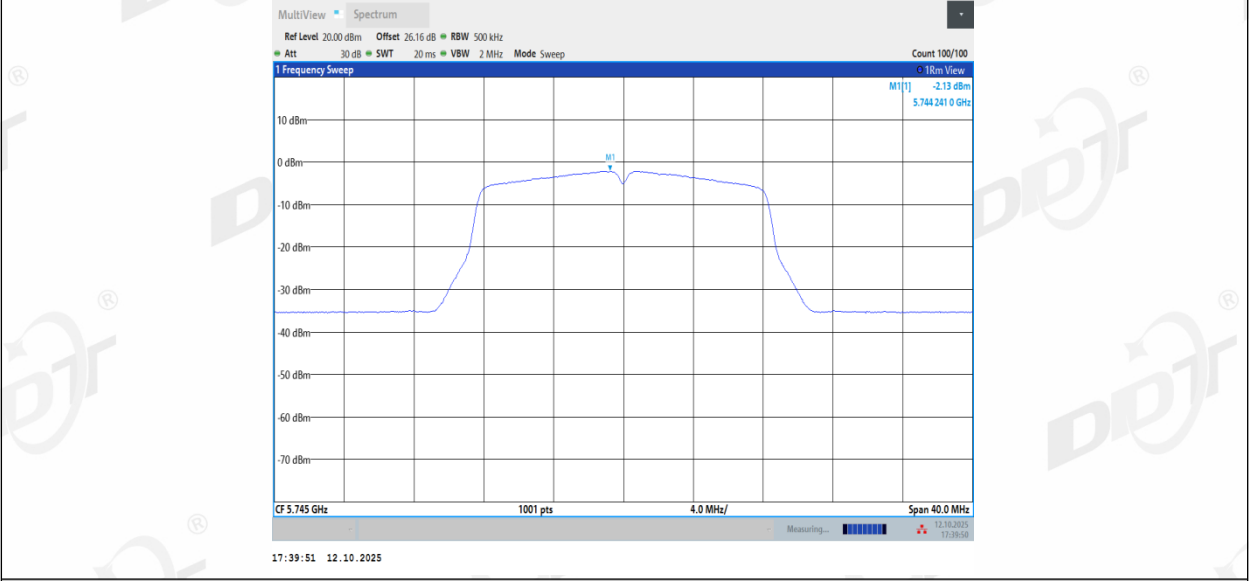




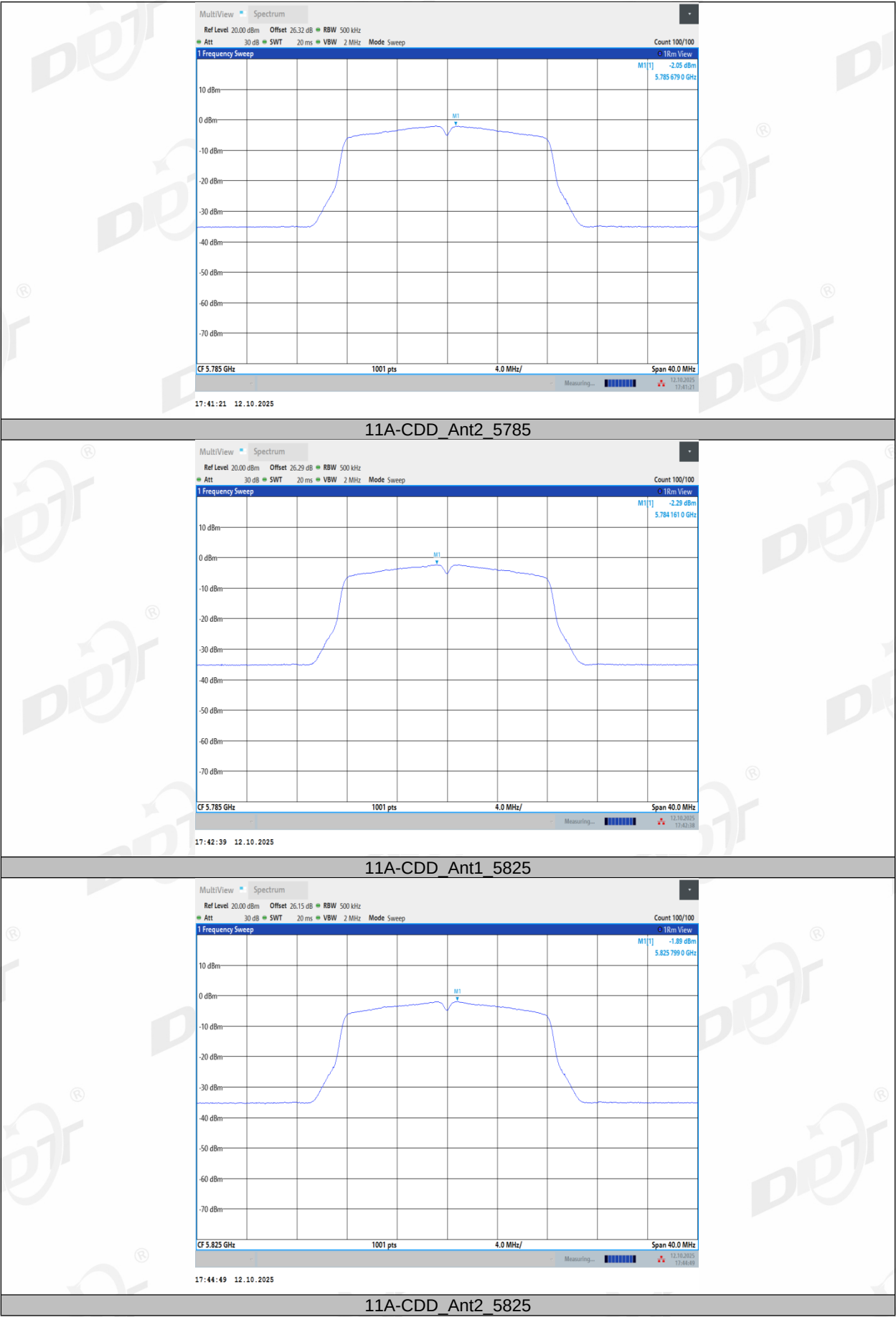
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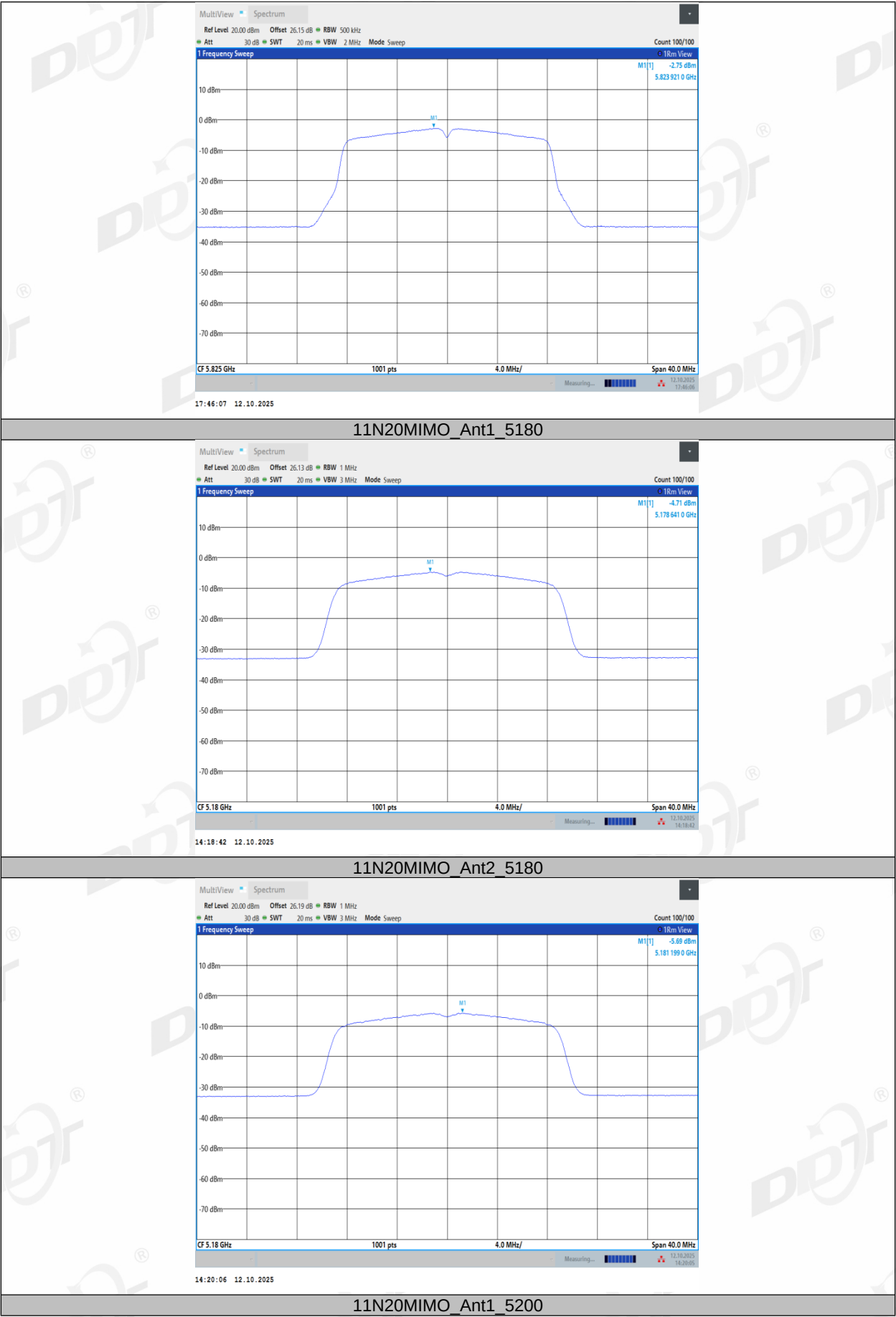


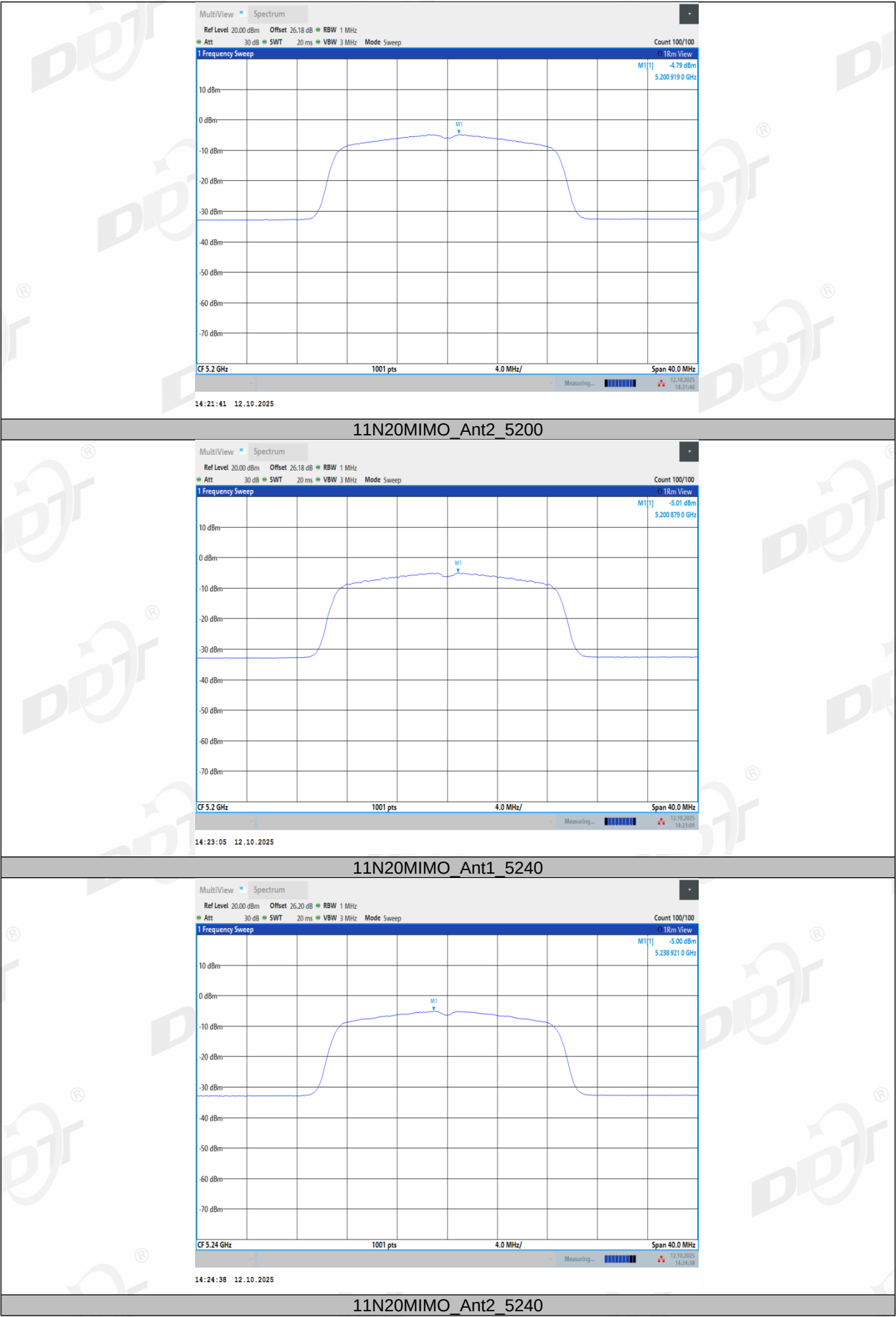
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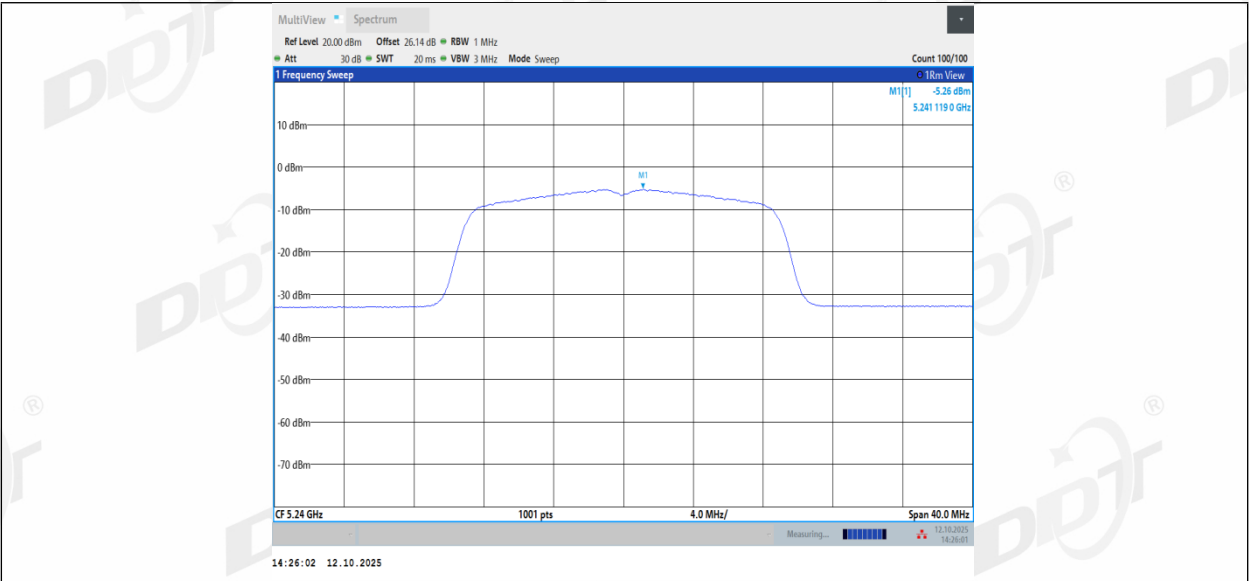


11A-CDD_Ant1_5785

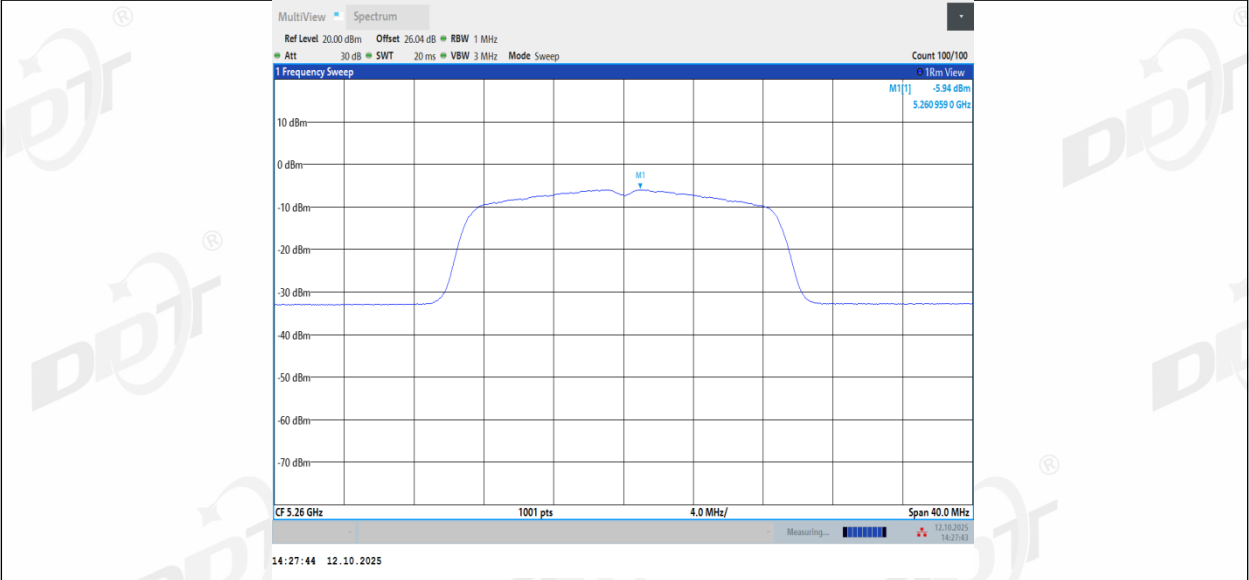




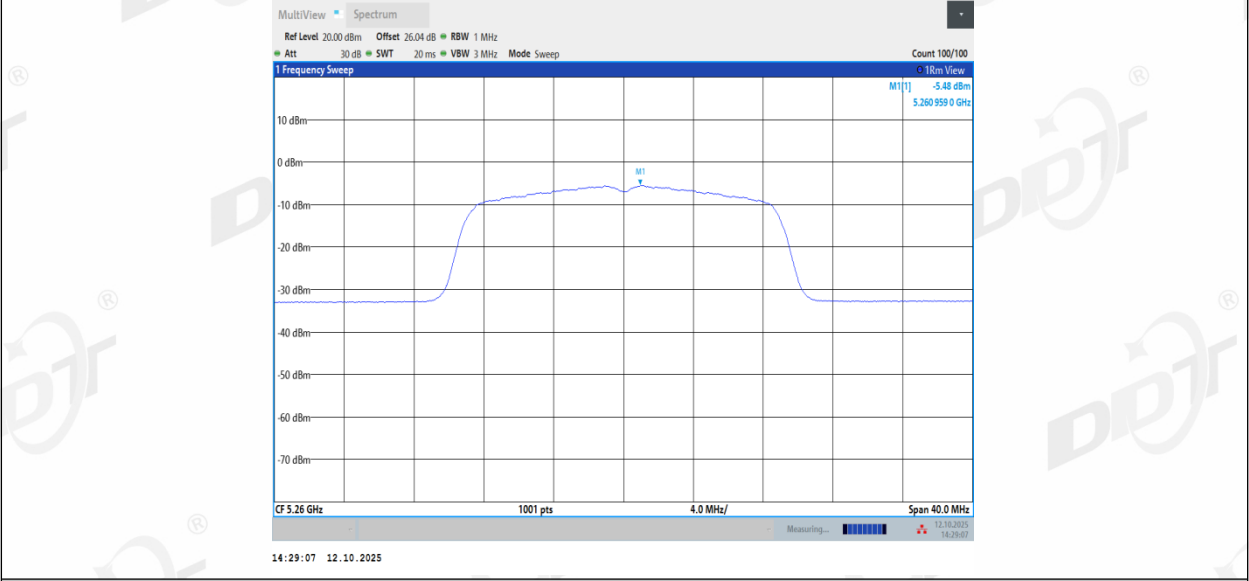




11N20MIMO_Ant1_5260



11N20MIMO_Ant2_5260



11N20MIMO_Ant1_5280

