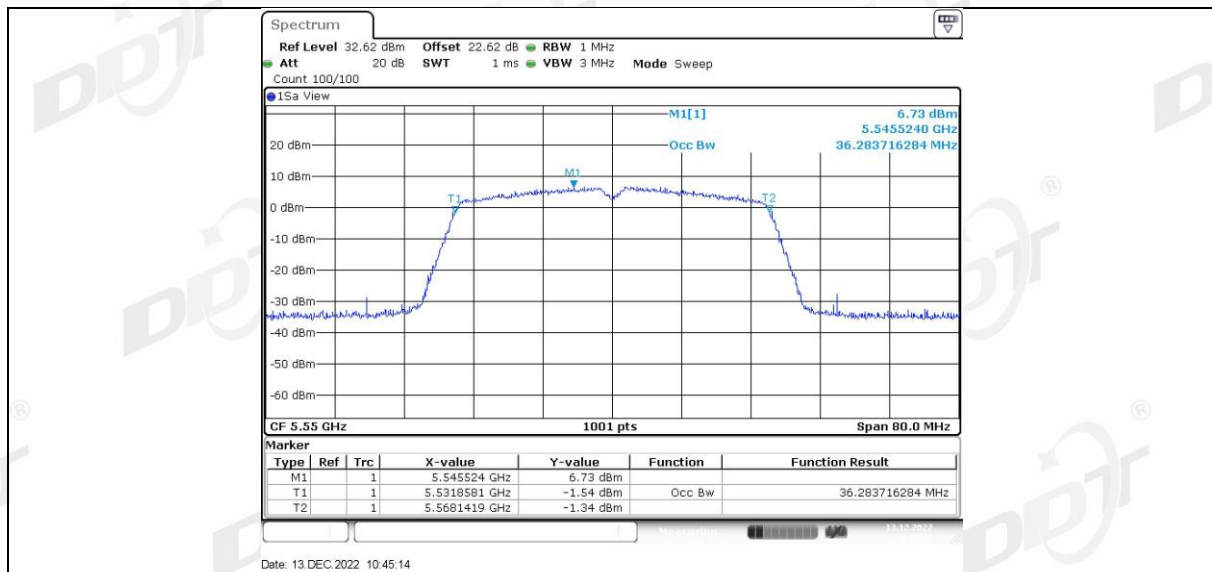




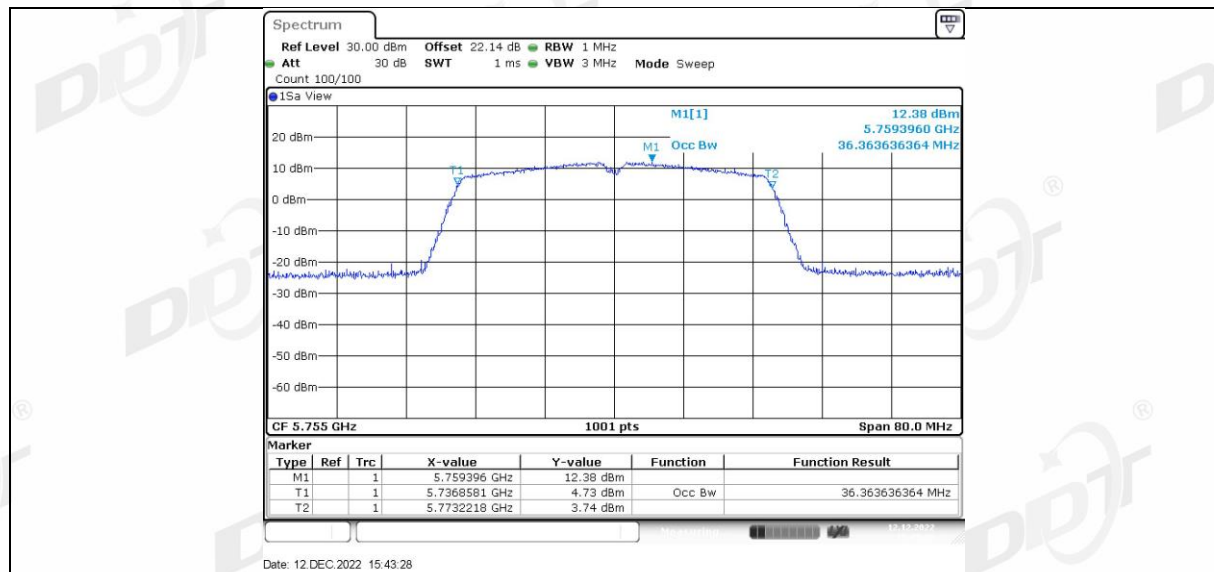
11N40MIMO Ant1 5670



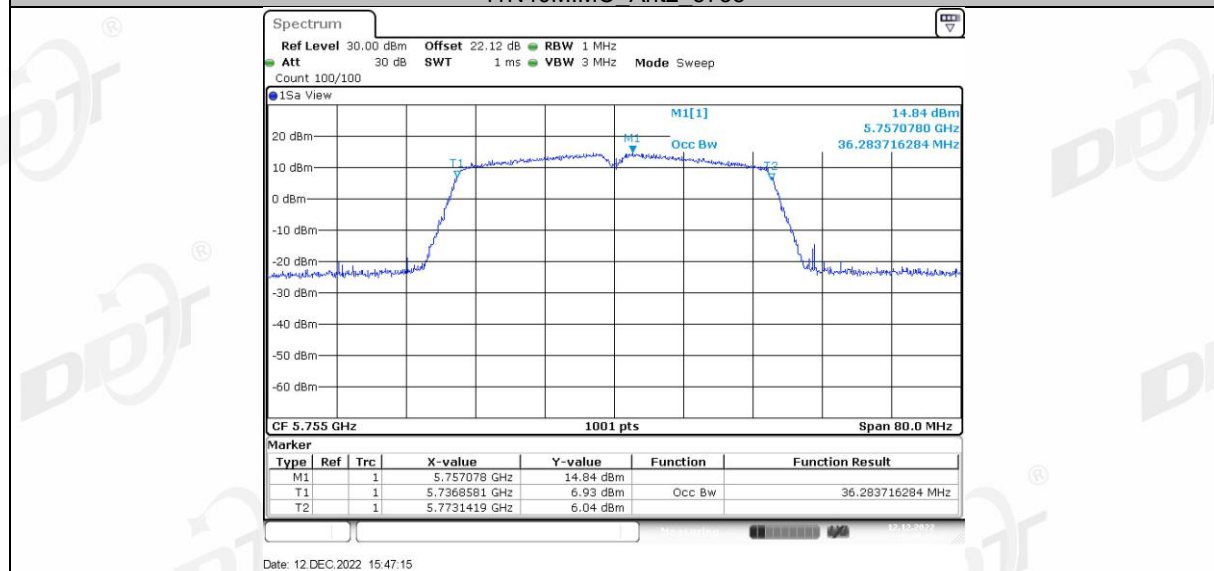
11N40MIMO Ant2 5670



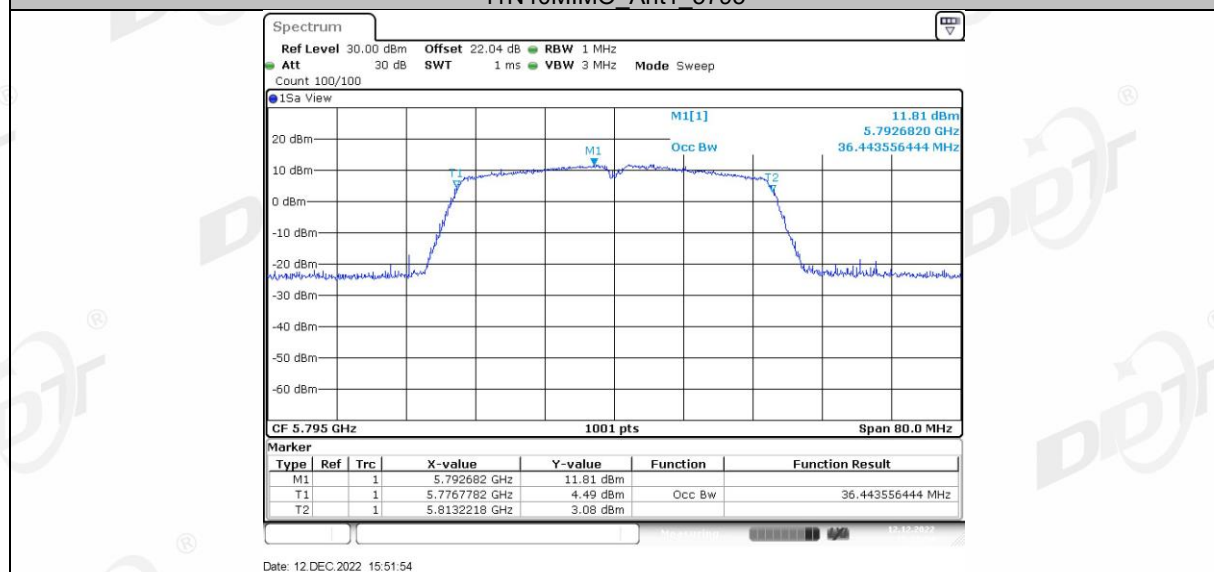
11N40MIMO Ant1 5755



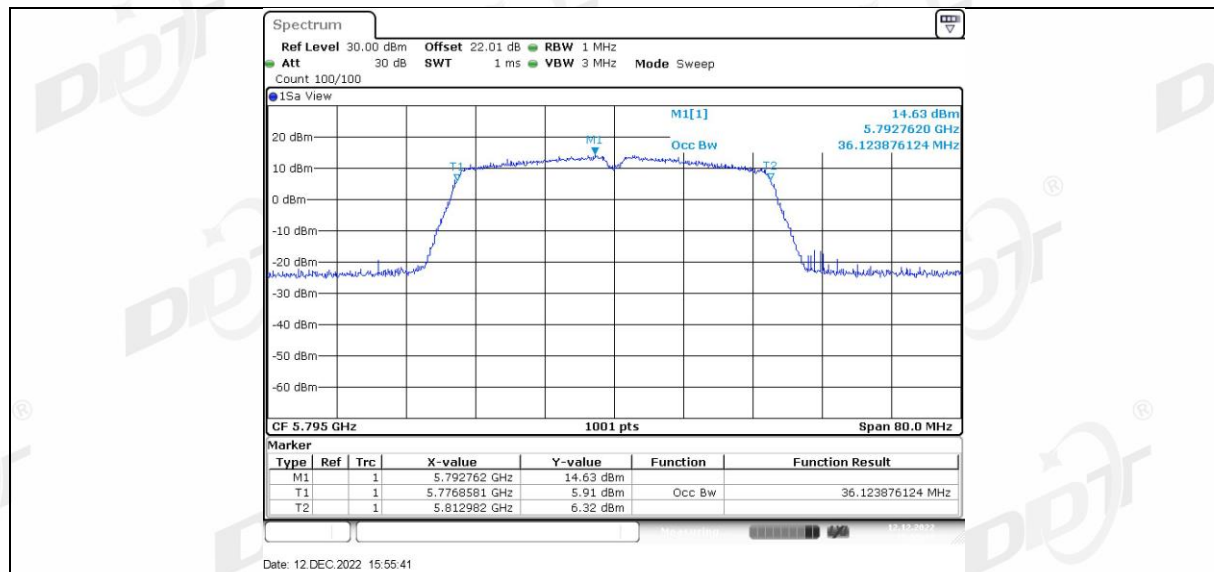
11N40MIMO Ant2 5755



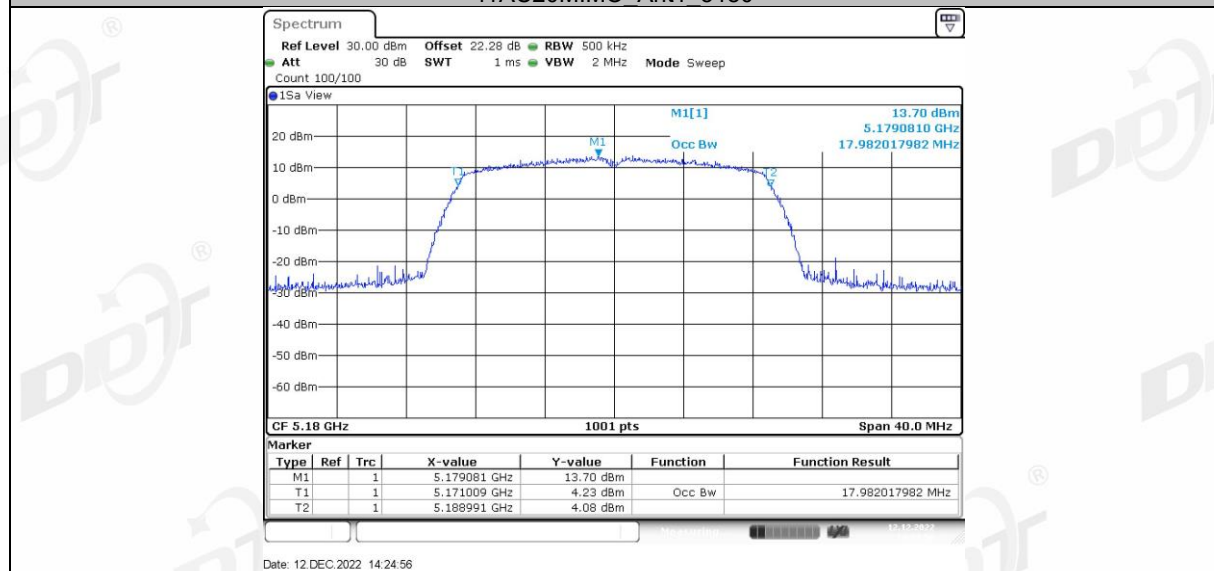
11N40MIMO Ant1 5795



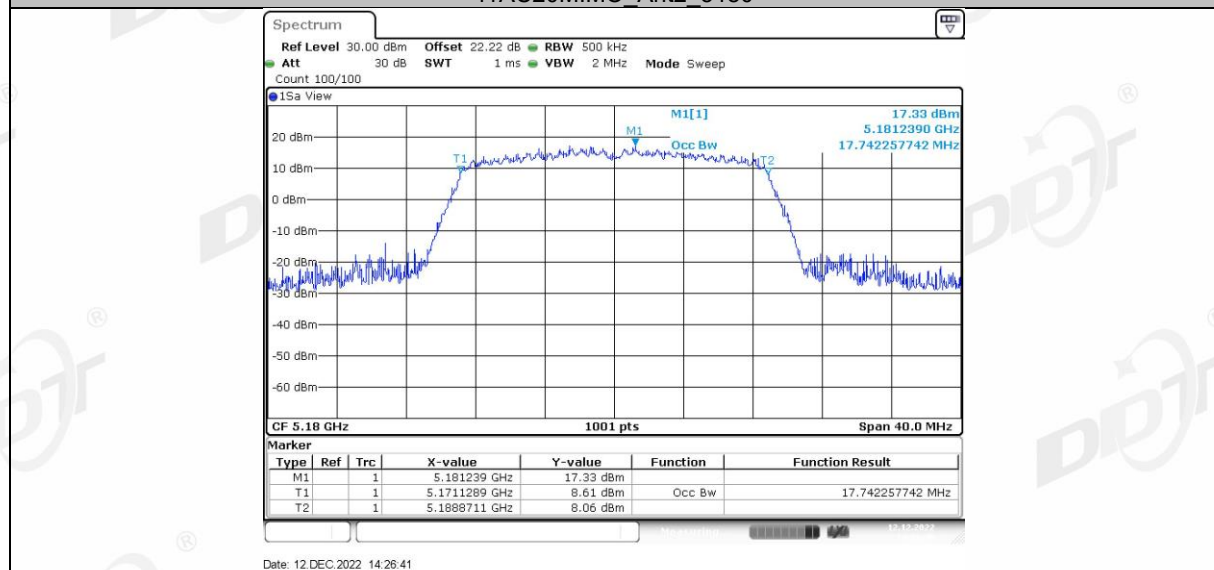
11N40MIMO Ant2 5795



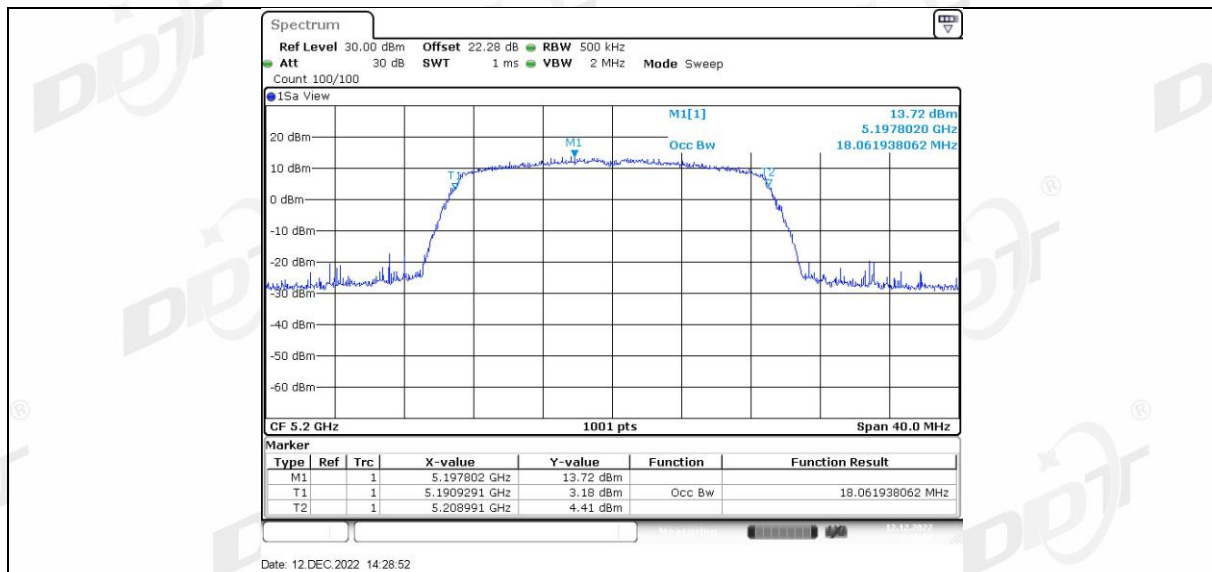
11AC20MIMO Ant1_5180



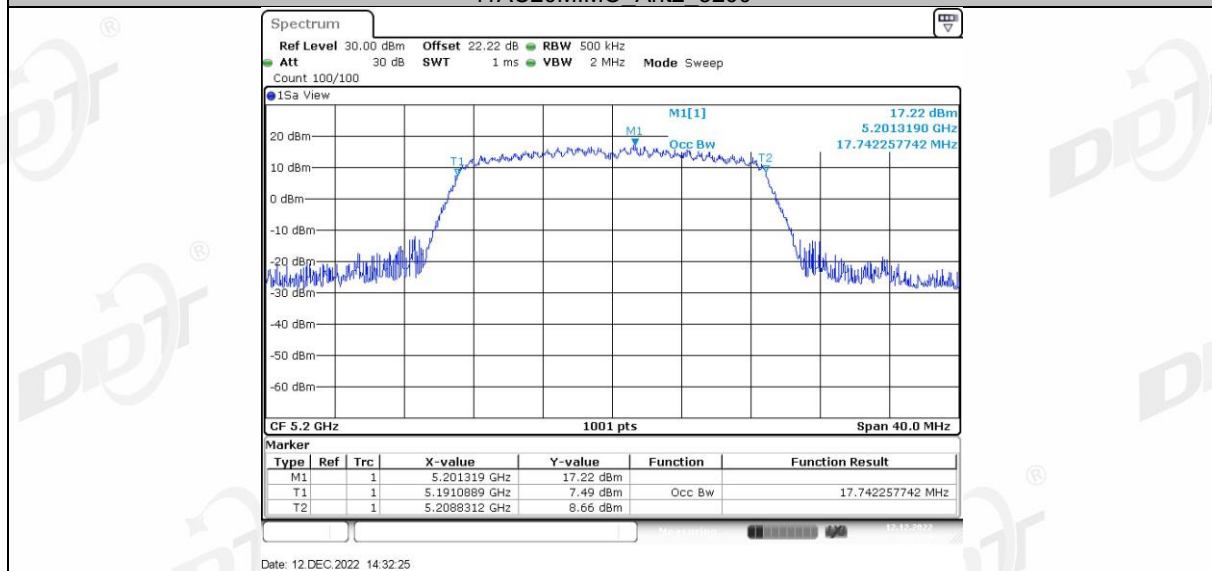
11AC20MIMO Ant2_5180



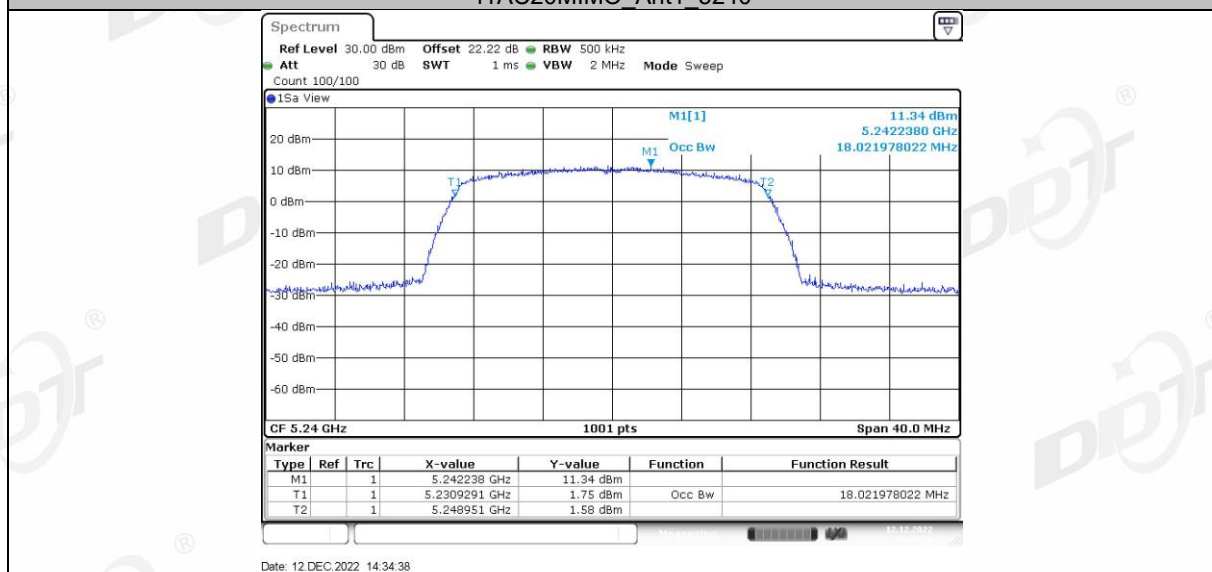
11AC20MIMO Ant1_5200



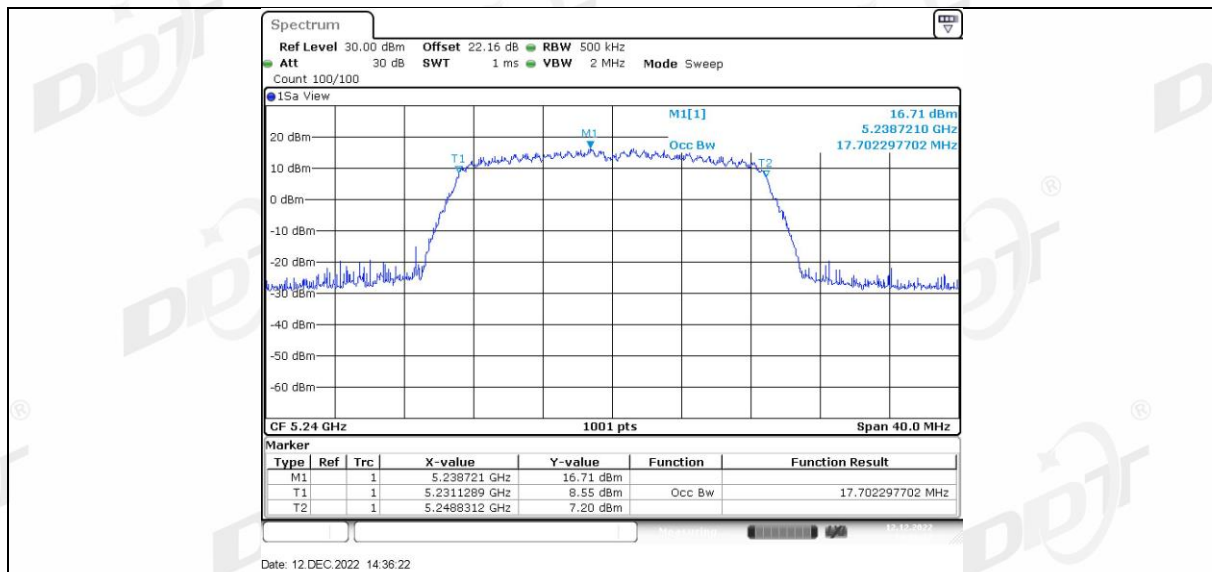
11AC20MIMO_Ant2_5200



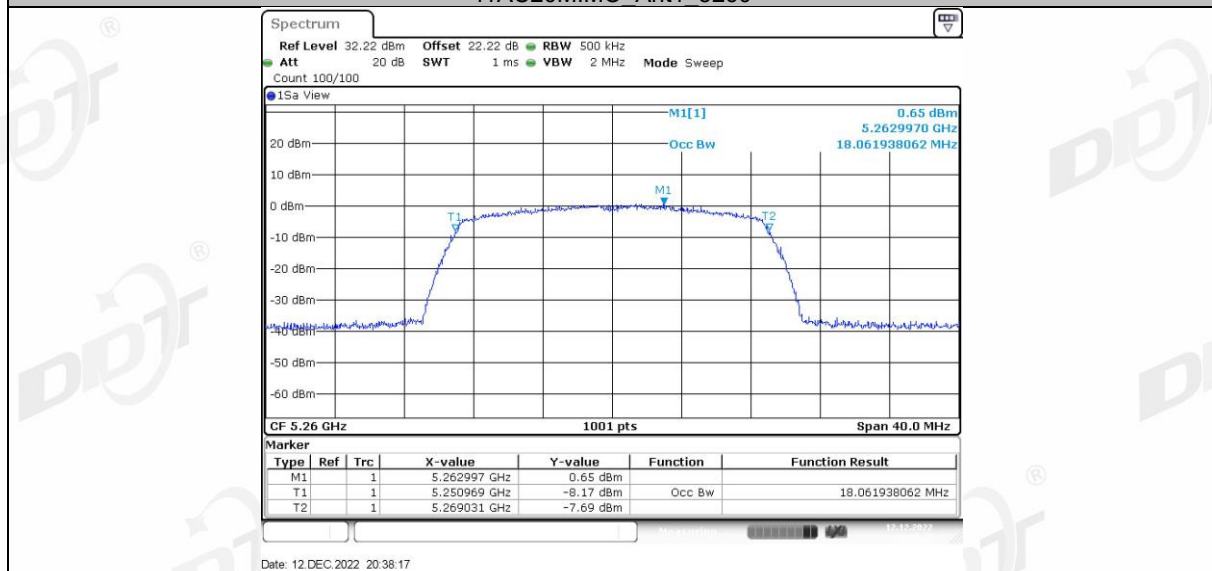
11AC20MIMO_Ant1_5240



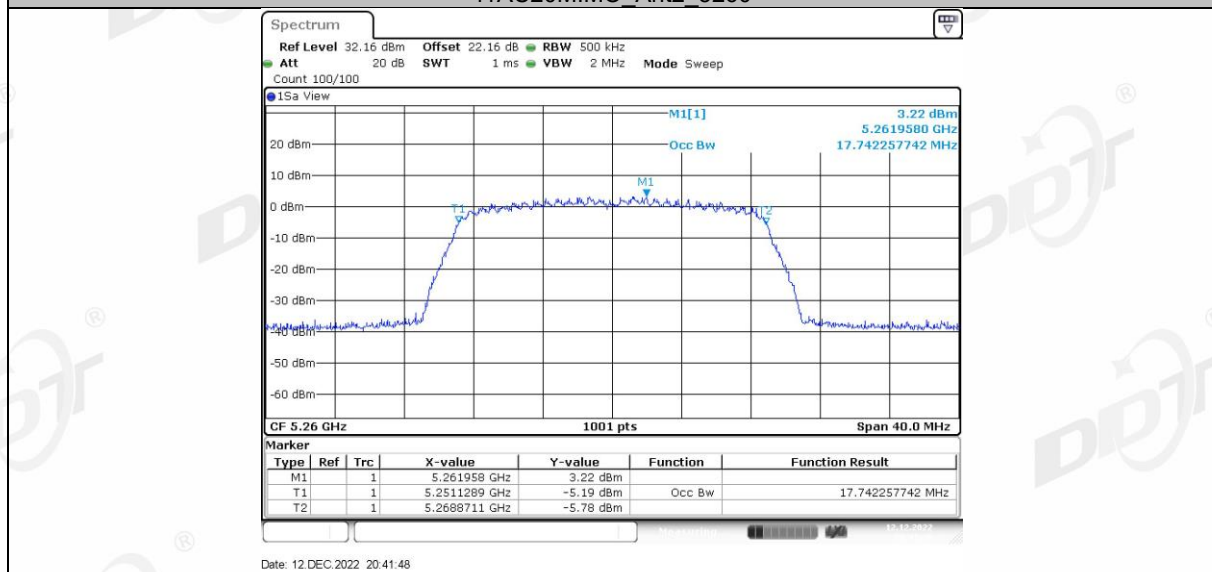
11AC20MIMO_Ant2_5240



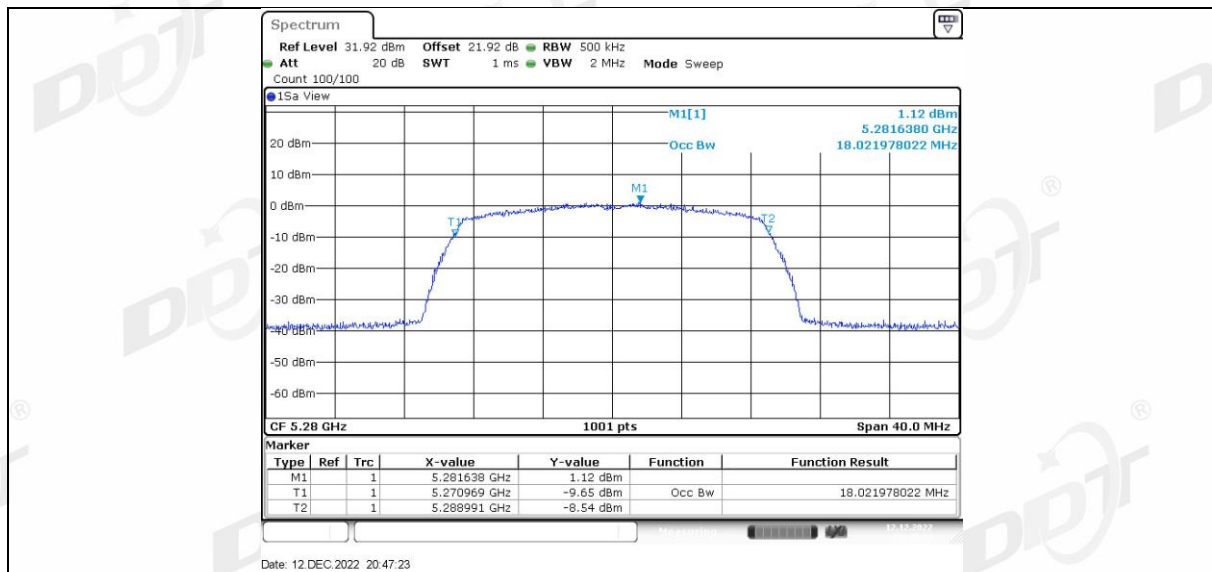
11AC20MIMO Ant1 5260



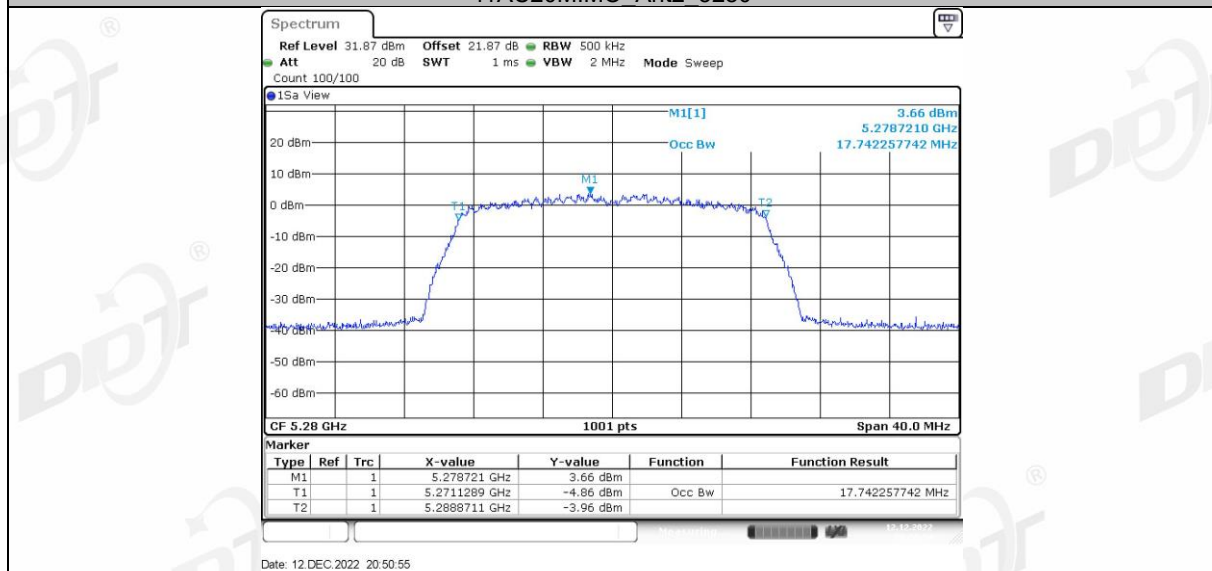
11AC20MIMO Ant2 5260



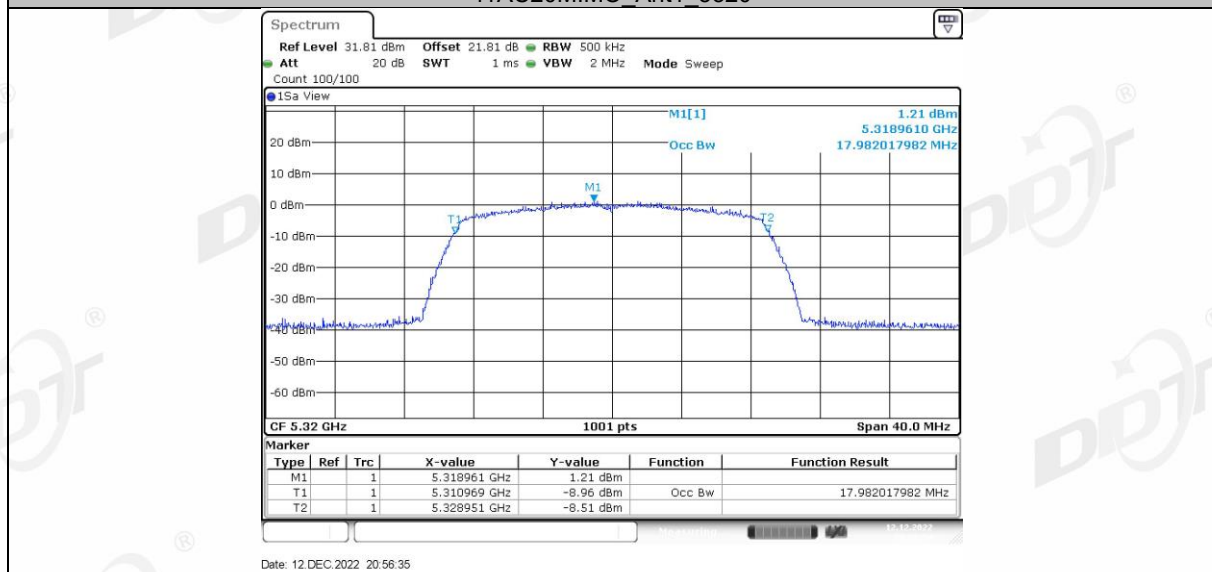
11AC20MIMO Ant1 5280



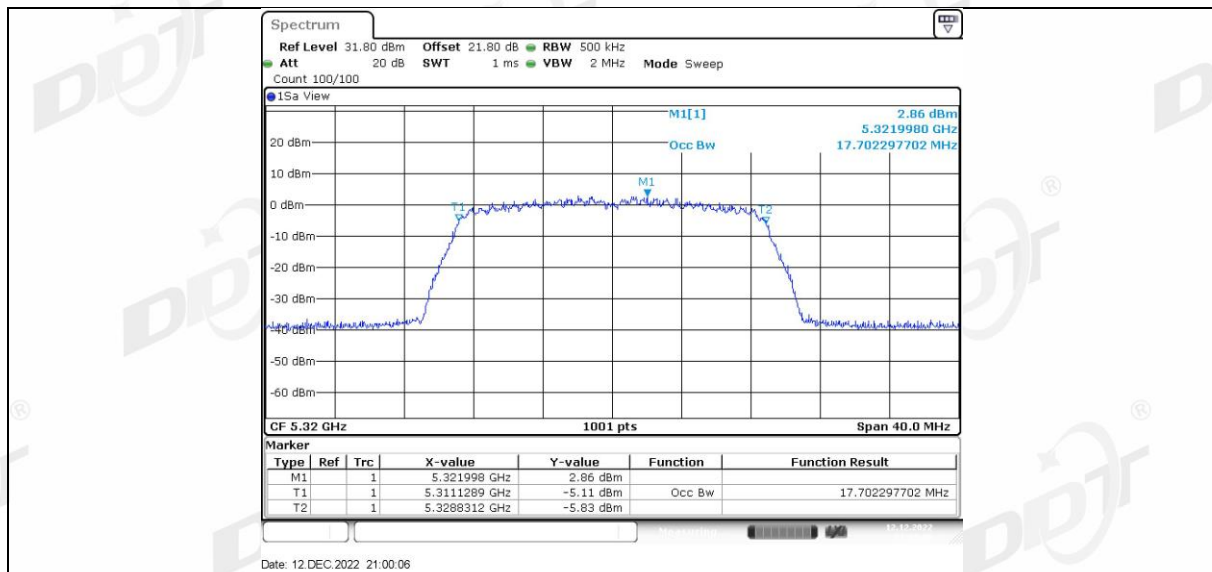
11AC20MIMO_Ant2_5280



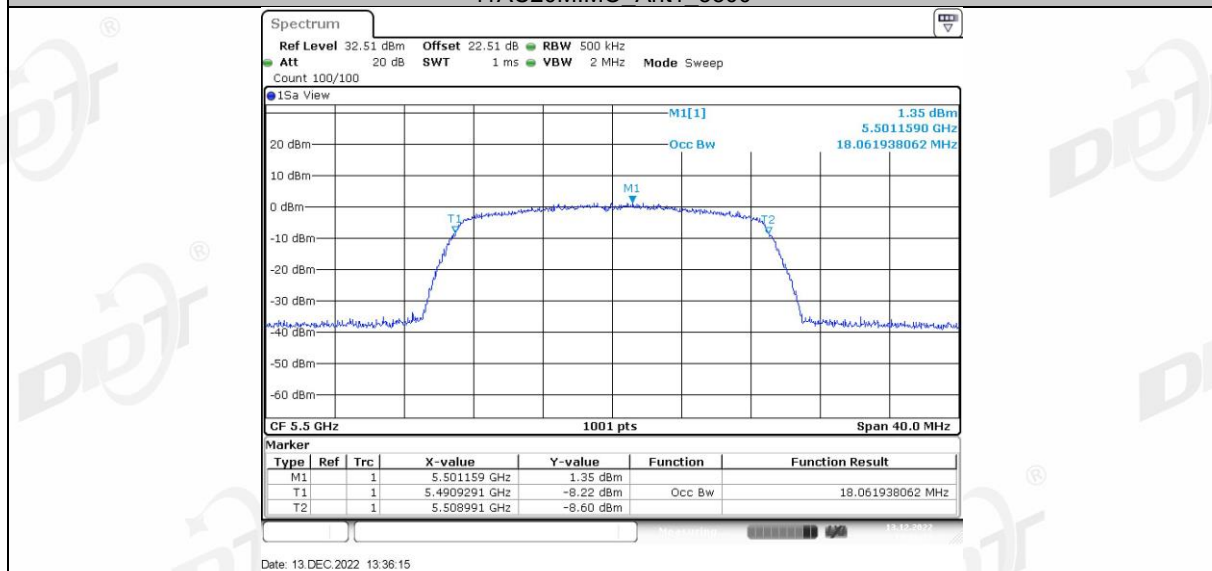
11AC20MIMO_Ant1_5320



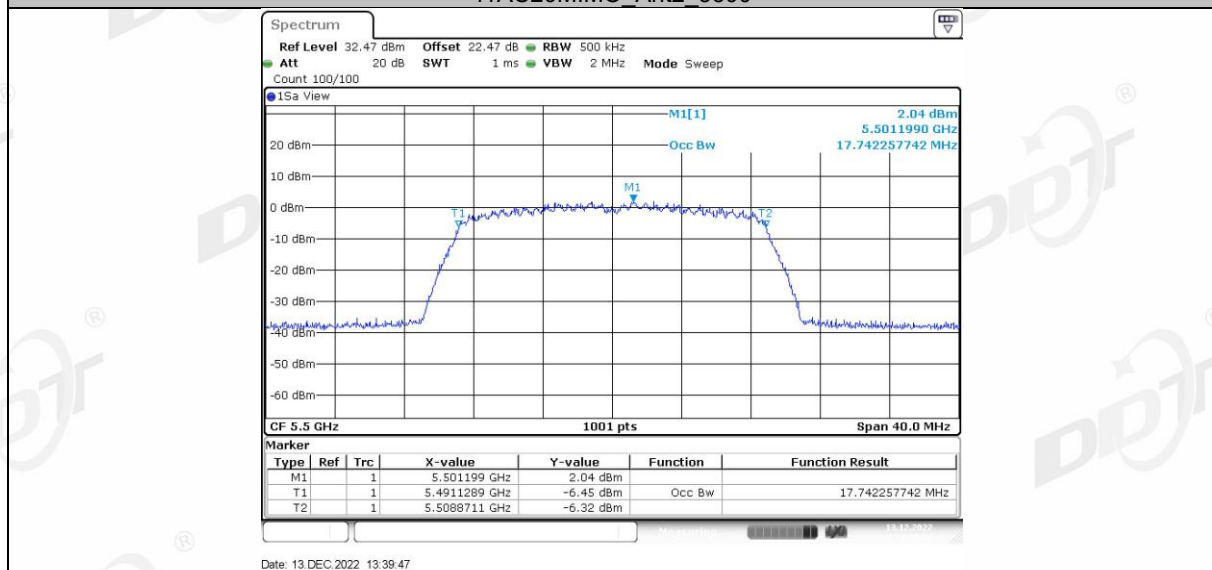
11AC20MIMO_Ant2_5320



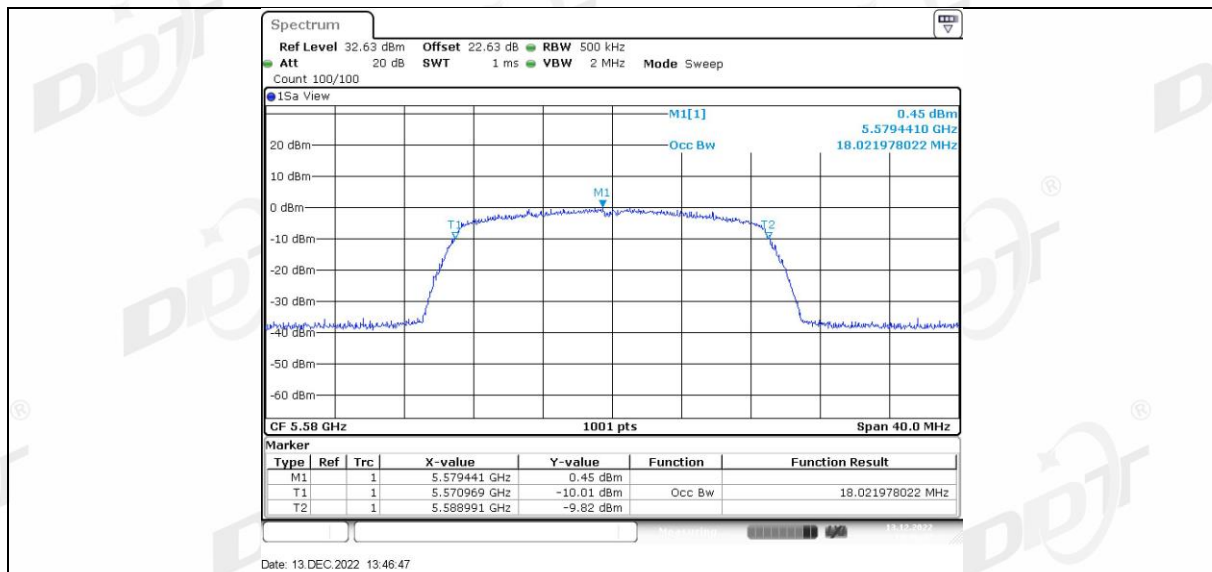
11AC20MIMO Ant1 5500



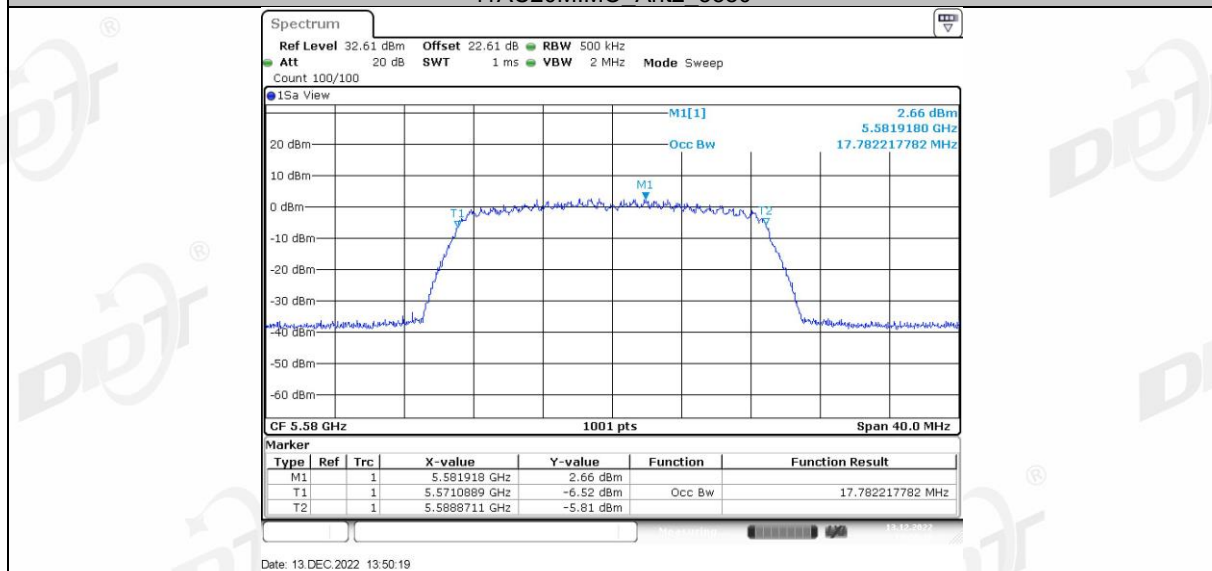
11AC20MIMO Ant2 5500



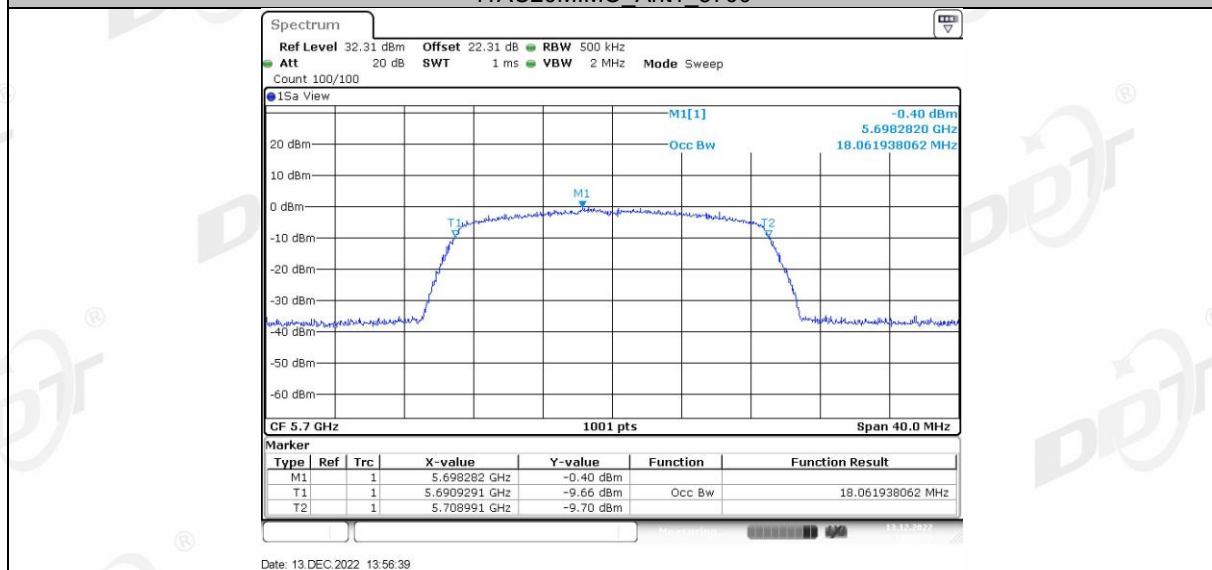
11AC20MIMO Ant1 5580



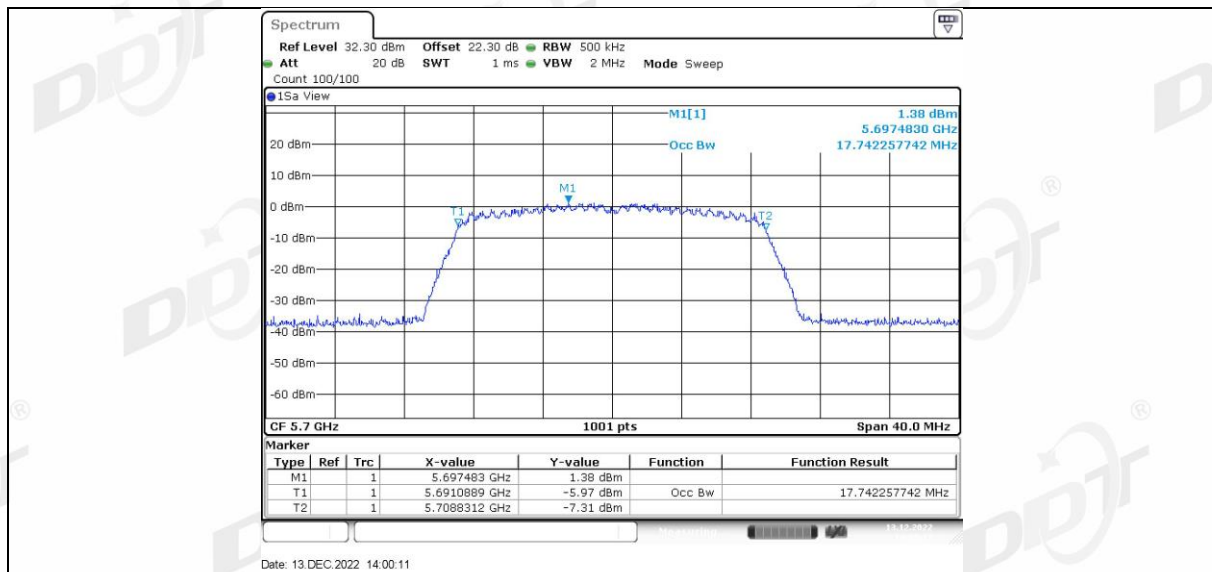
11AC20MIMO_Ant2_5580



11AC20MIMO_Ant1_5700



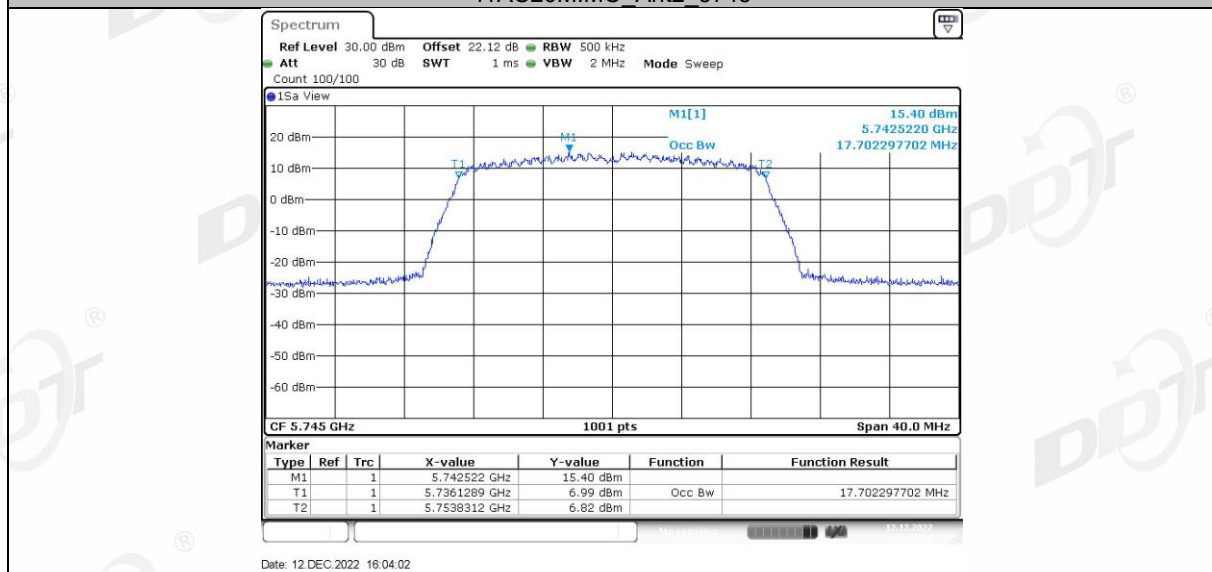
11AC20MIMO_Ant2_5700



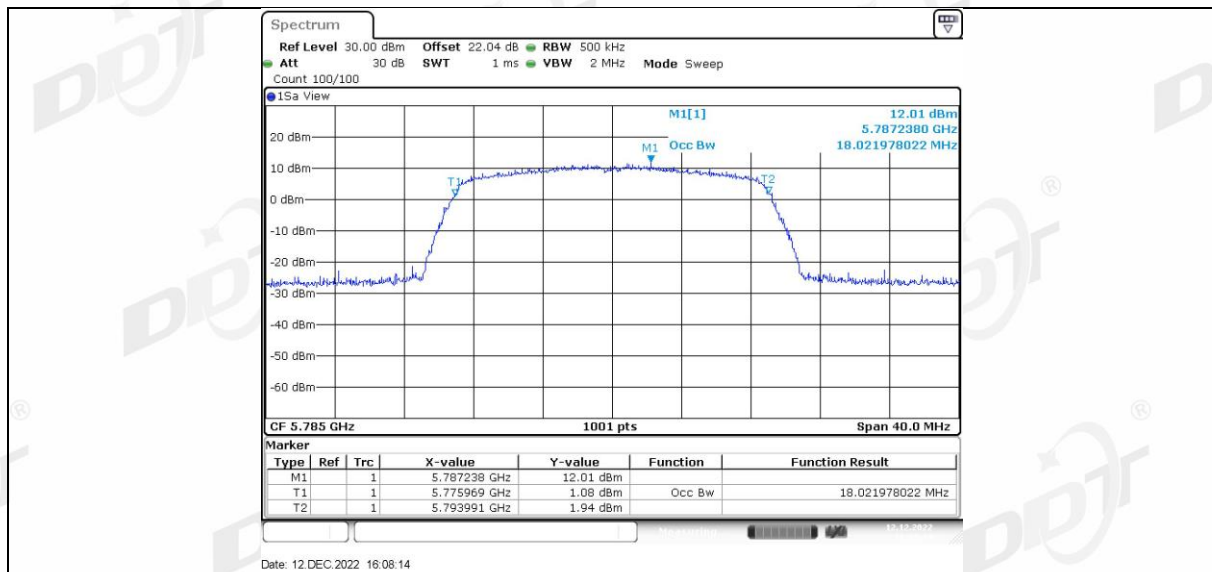
11AC20MIMO Ant1 5745



11AC20MIMO Ant2 5745



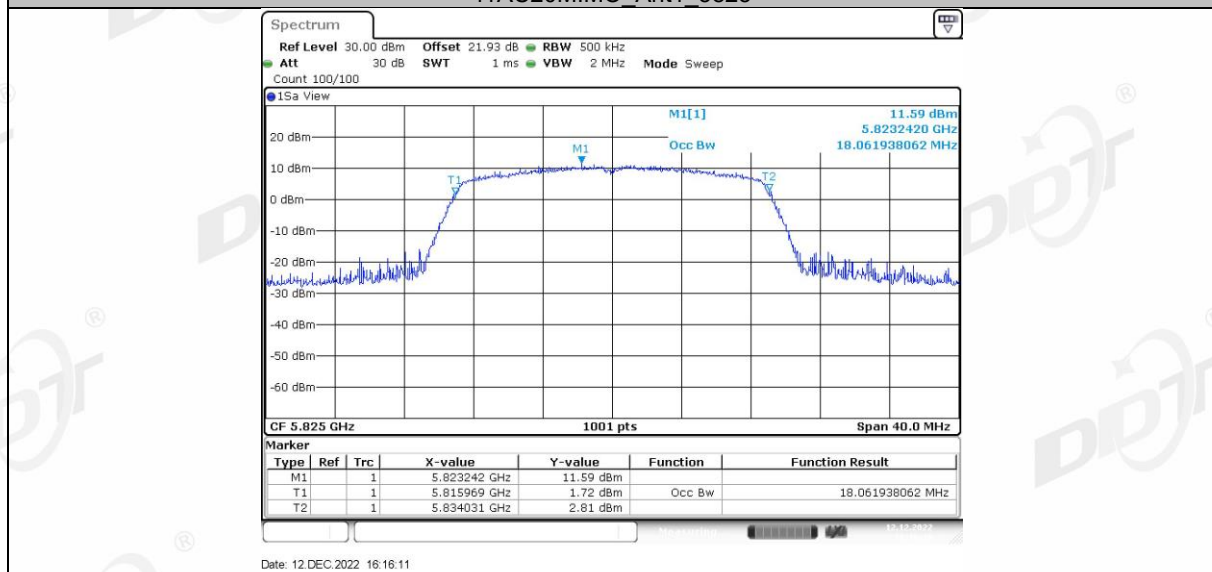
11AC20MIMO Ant1 5785



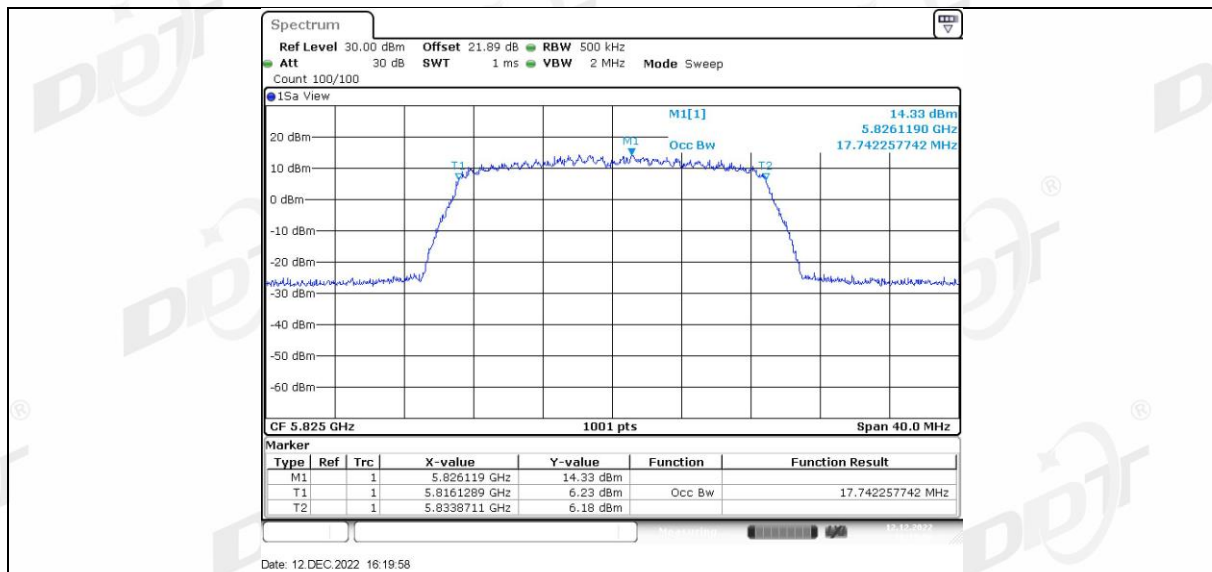
11AC20MIMO Ant2_5785



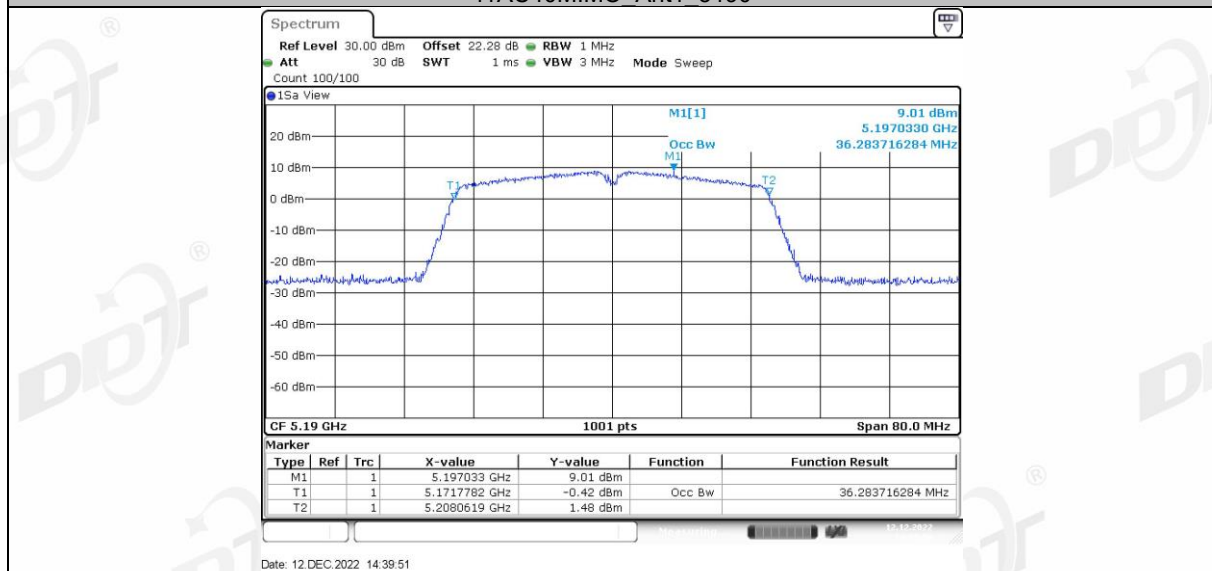
11AC20MIMO Ant1_5825



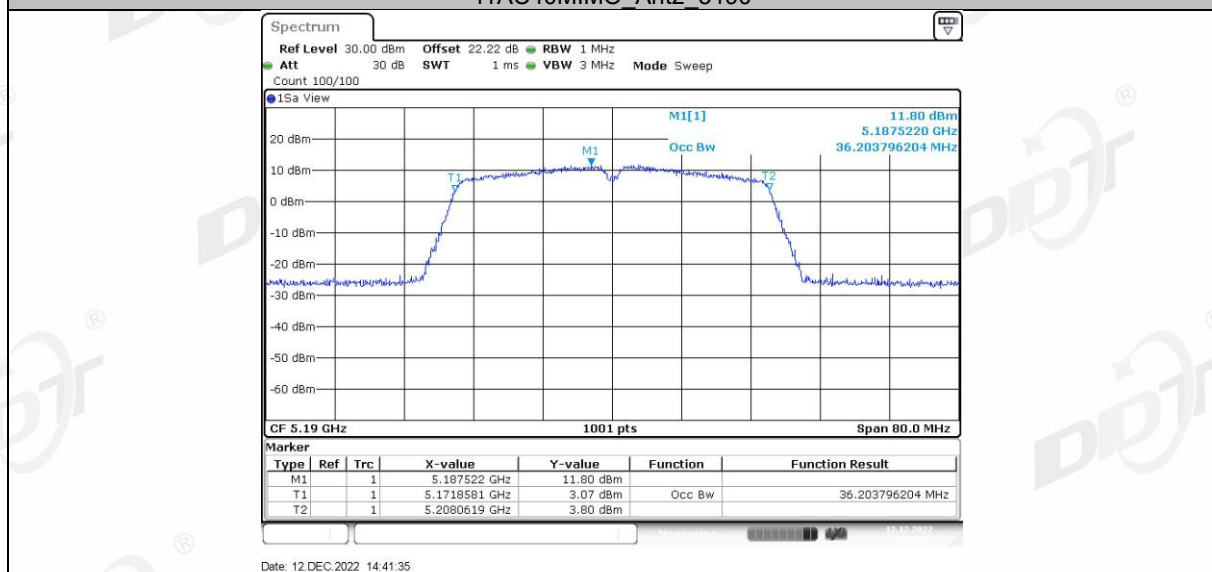
11AC20MIMO Ant2_5825



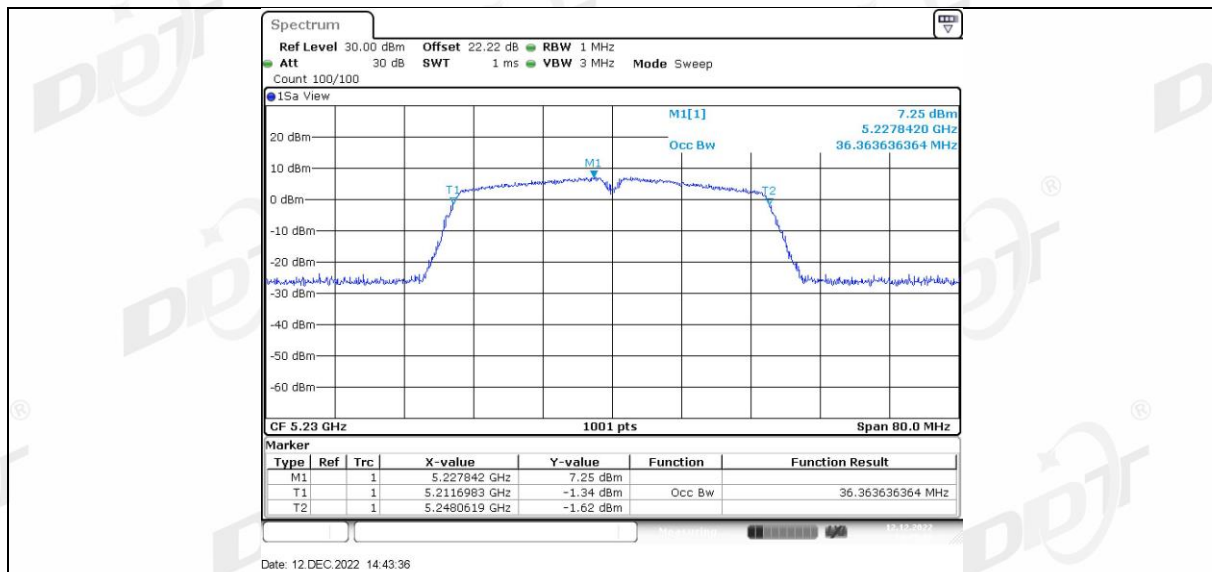
11AC40MIMO Ant1 5190



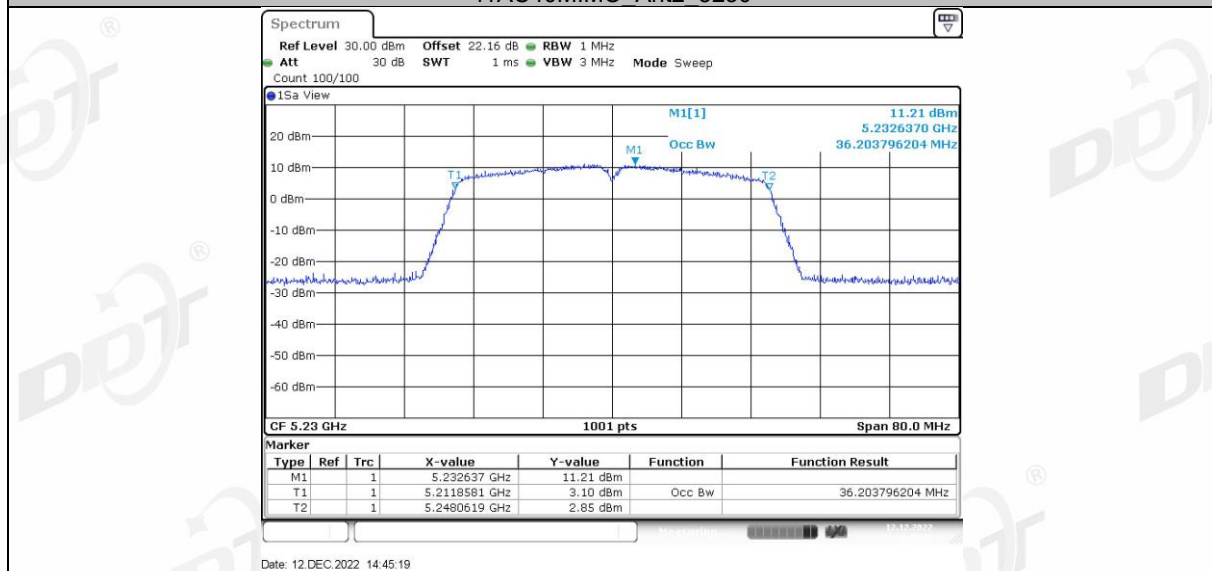
11AC40MIMO Ant2 5190



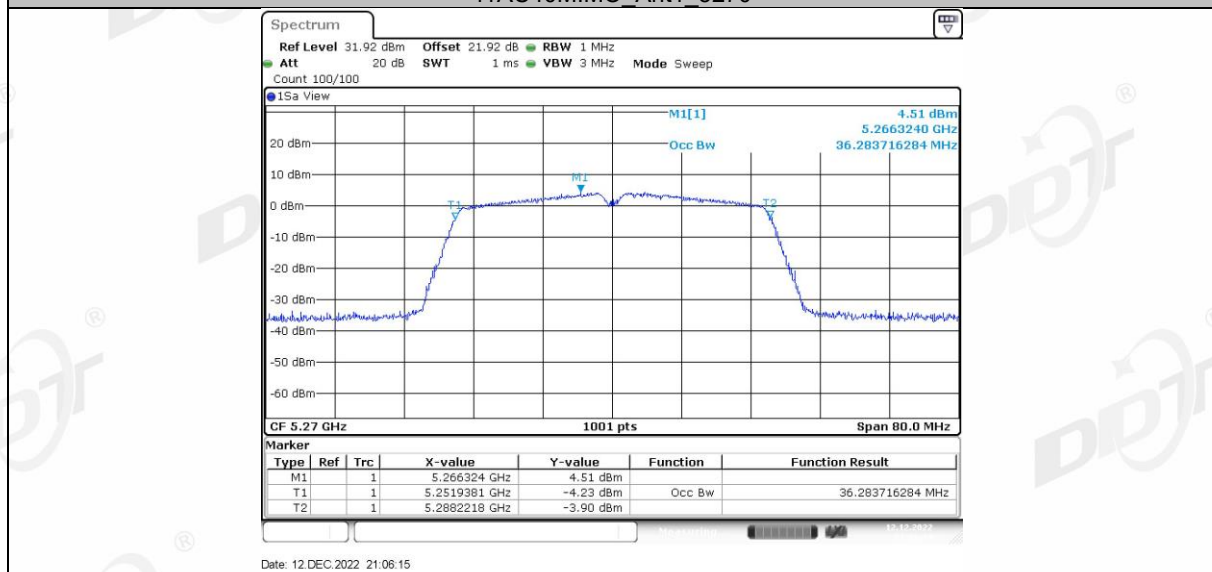
11AC40MIMO Ant1 5230



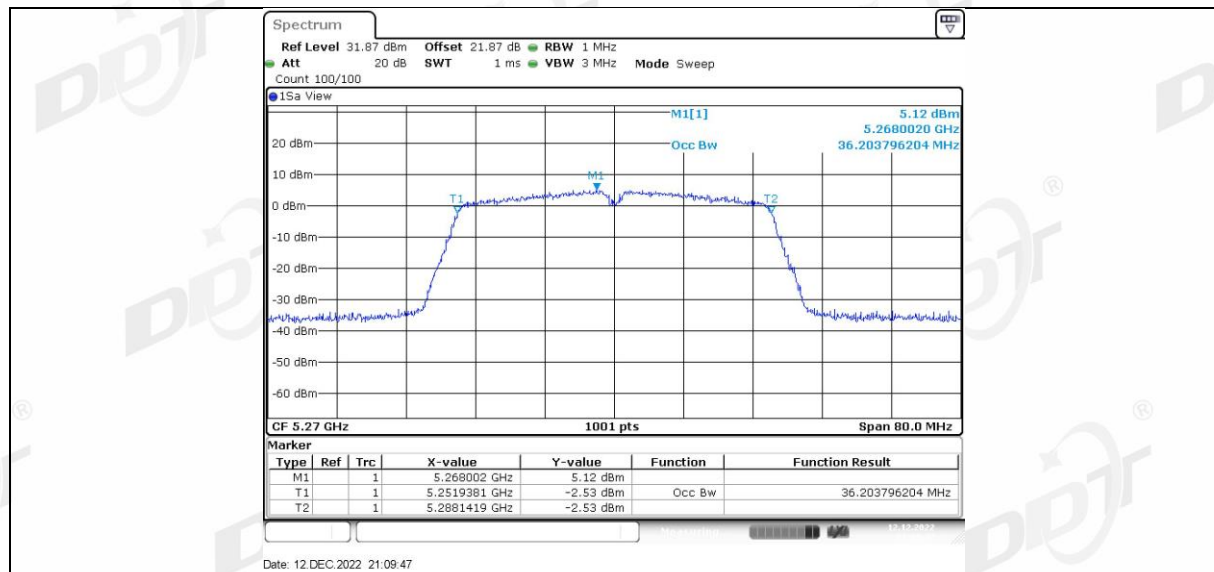
11AC40MIMO_Ant2_5230



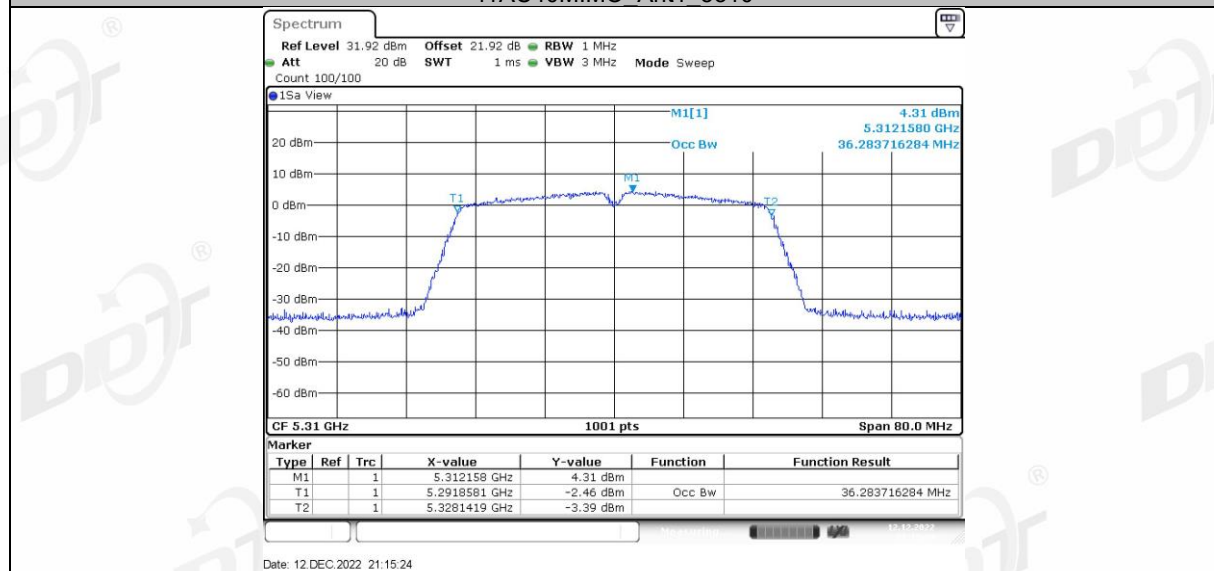
11AC40MIMO_Ant1_5270



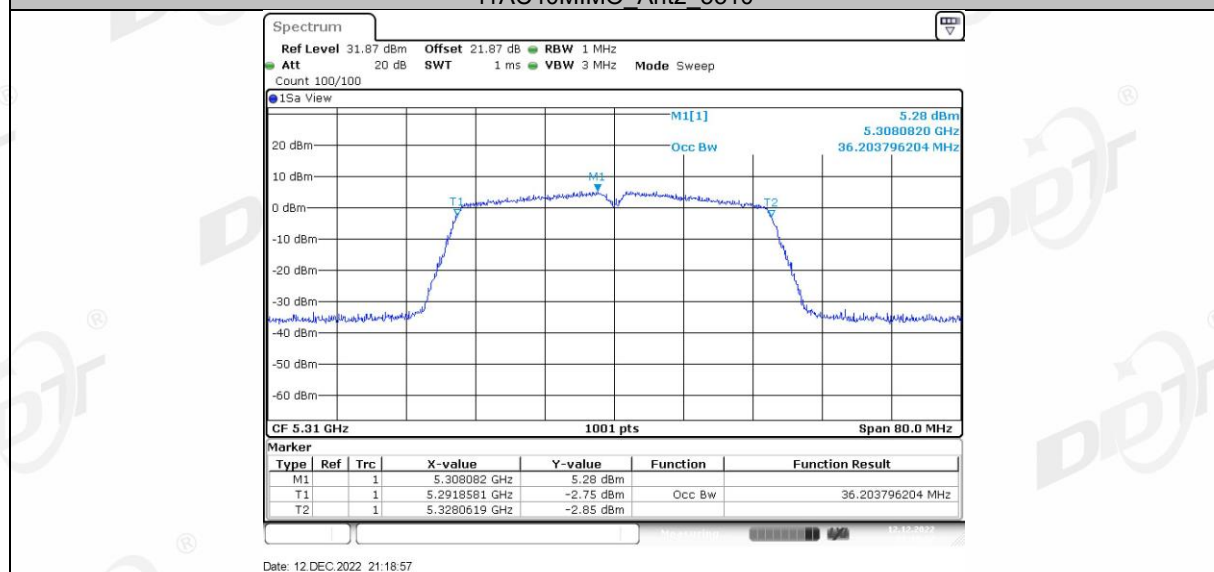
11AC40MIMO_Ant2_5270



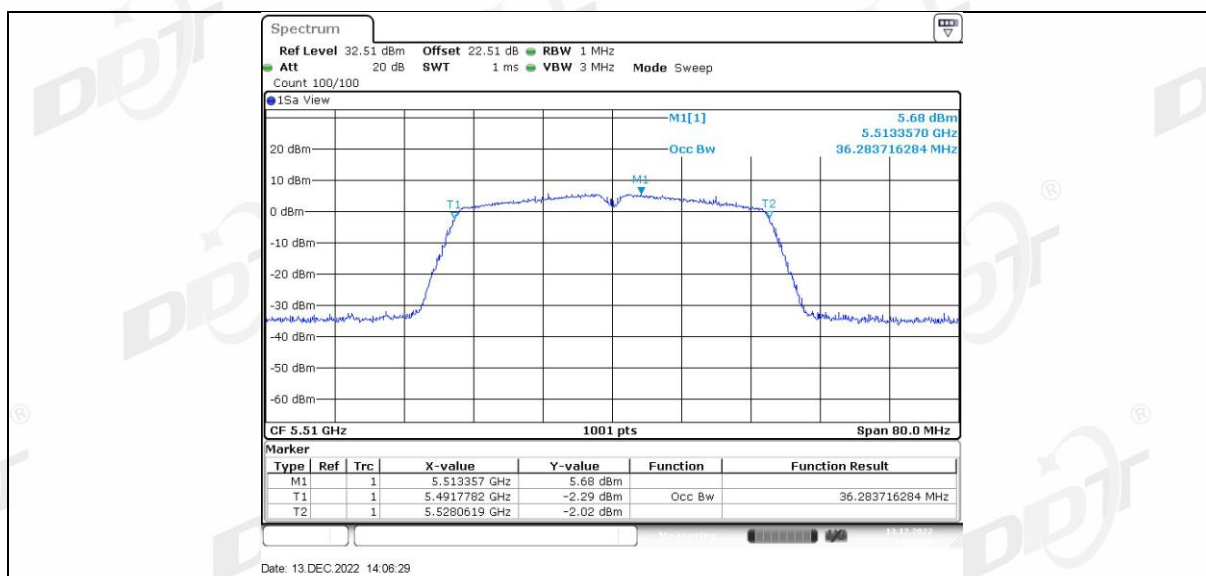
11AC40MIMO Ant1_5310



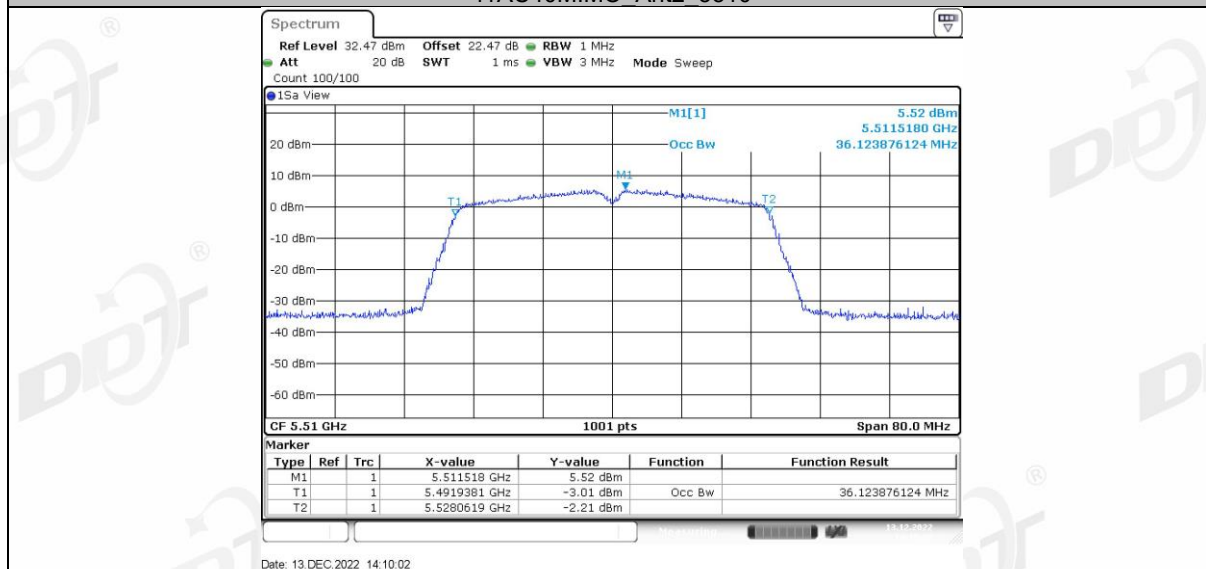
11AC40MIMO Ant2_5310



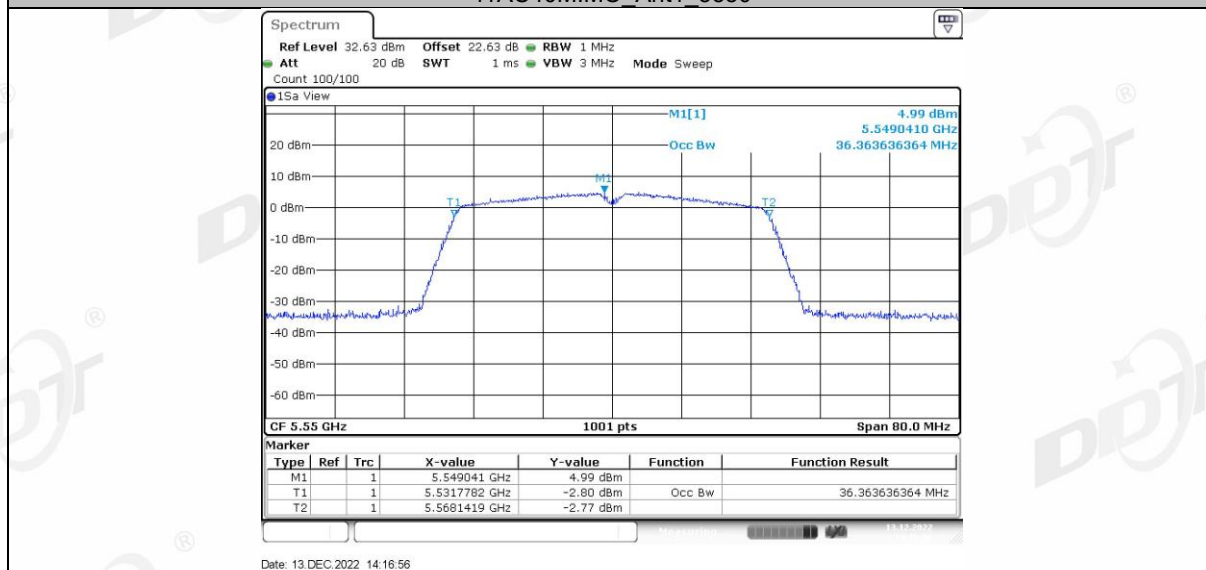
11AC40MIMO Ant1_5510



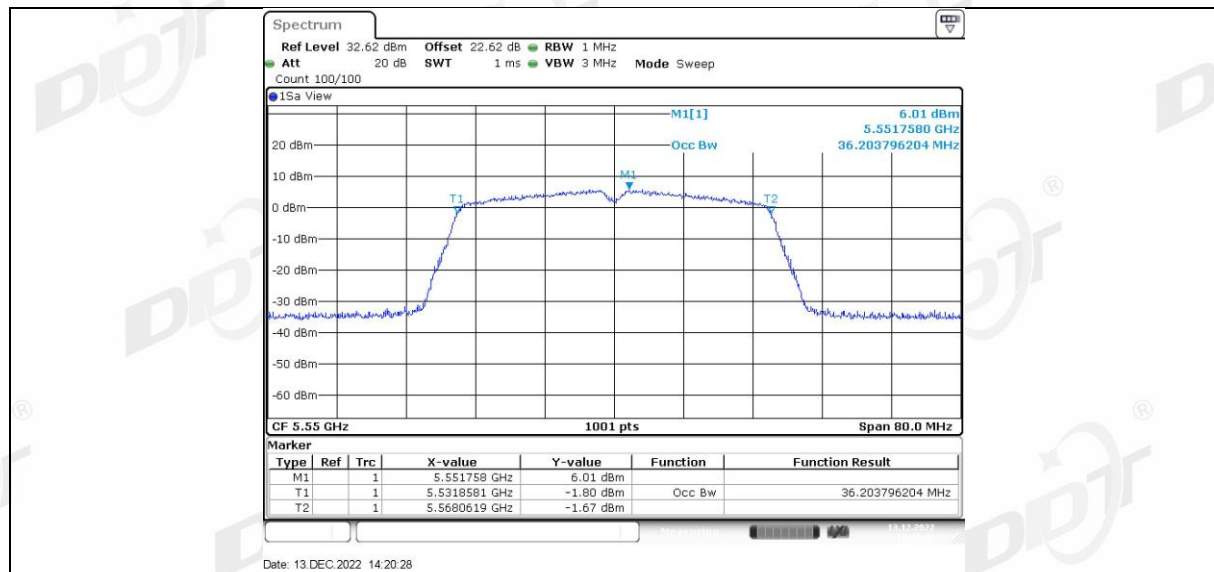
11AC40MIMO Ant2_5510



11AC40MIMO Ant1_5550



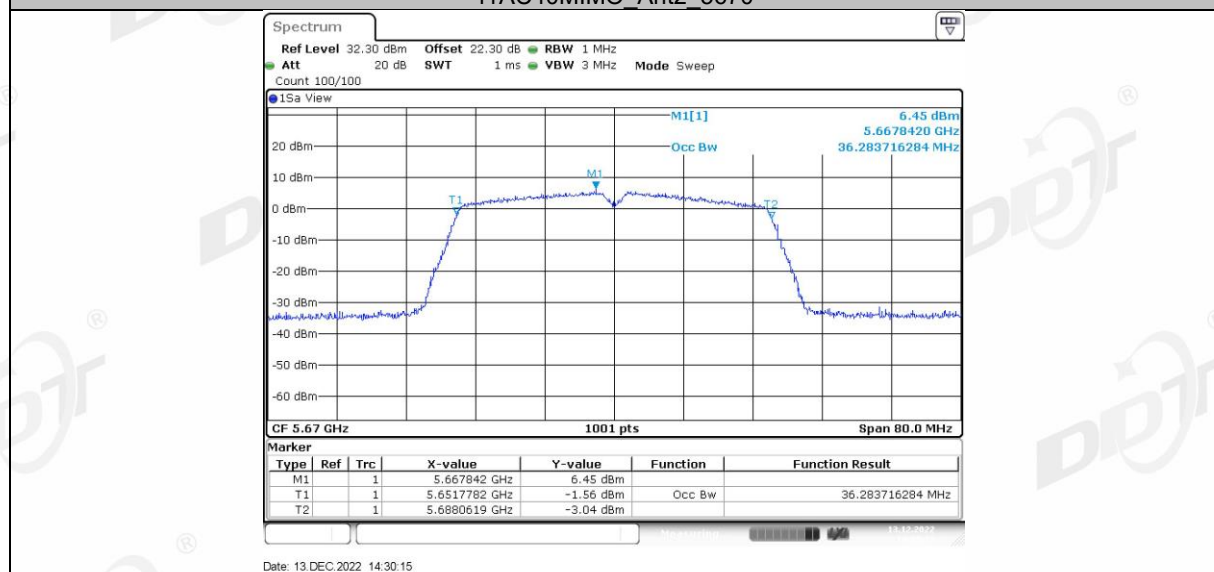
11AC40MIMO Ant2_5550



11AC40MIMO Ant1_5670

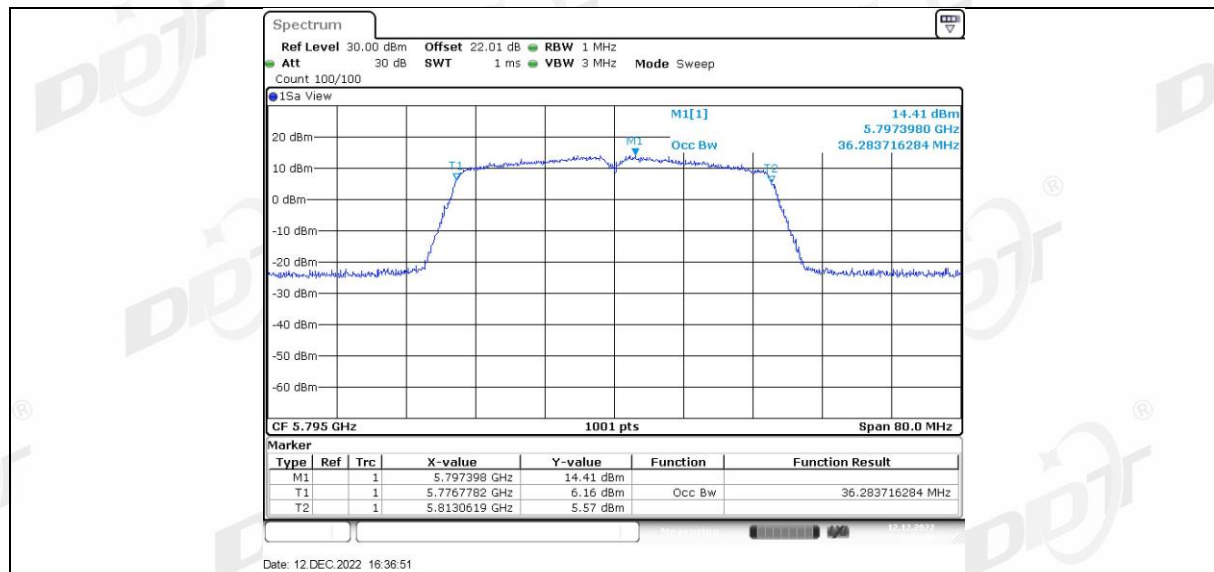


11AC40MIMO Ant2_5670

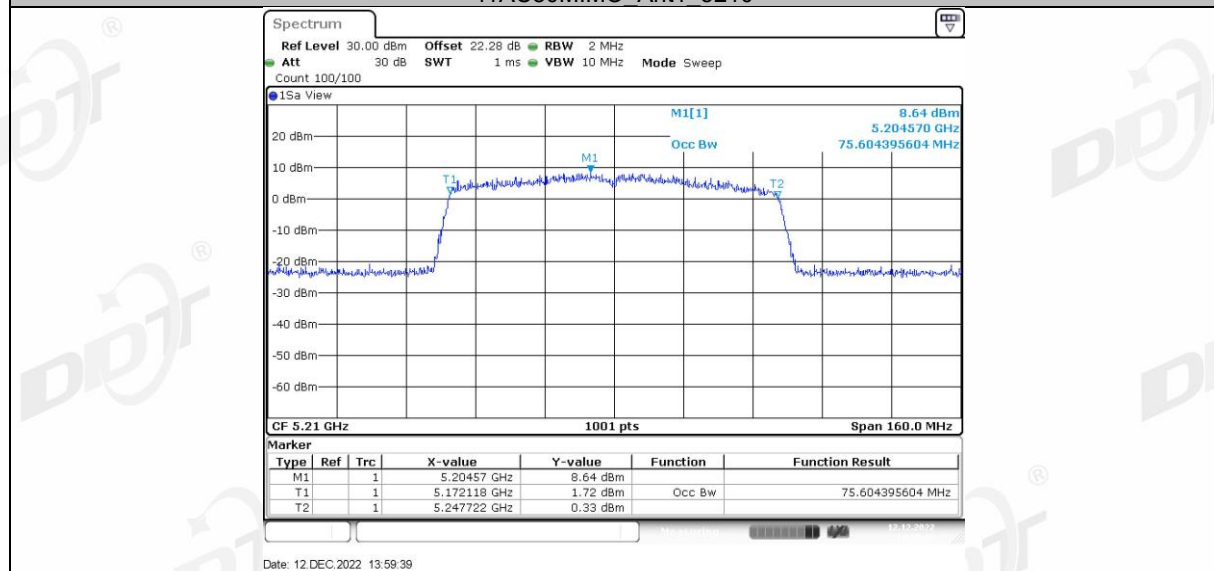


11AC40MIMO Ant1_5755

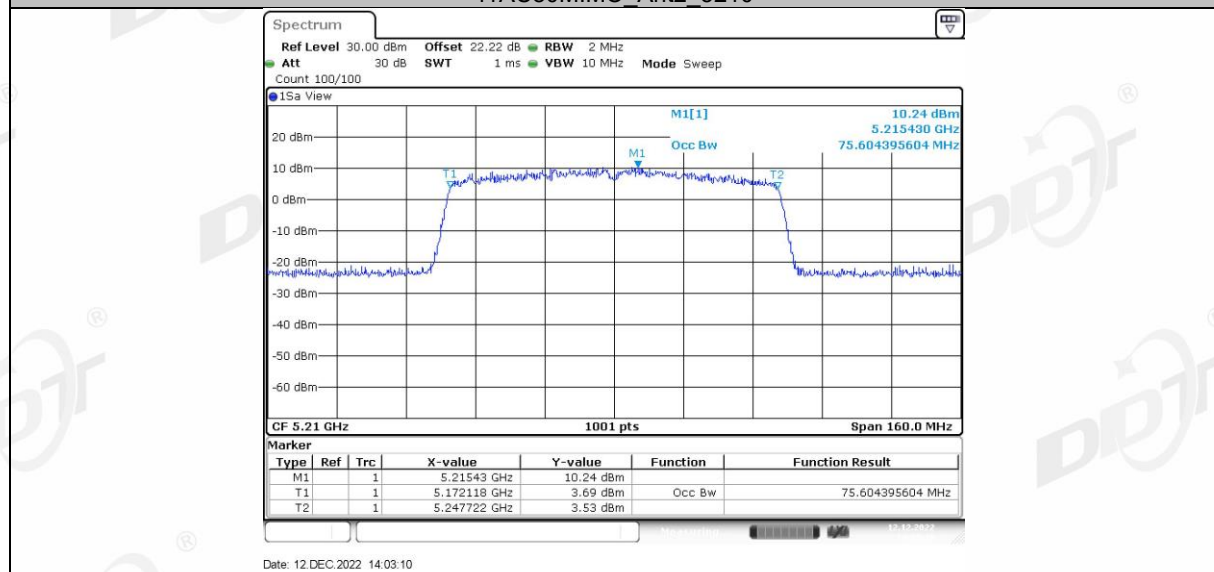




11AC80MIMO Ant1_5210

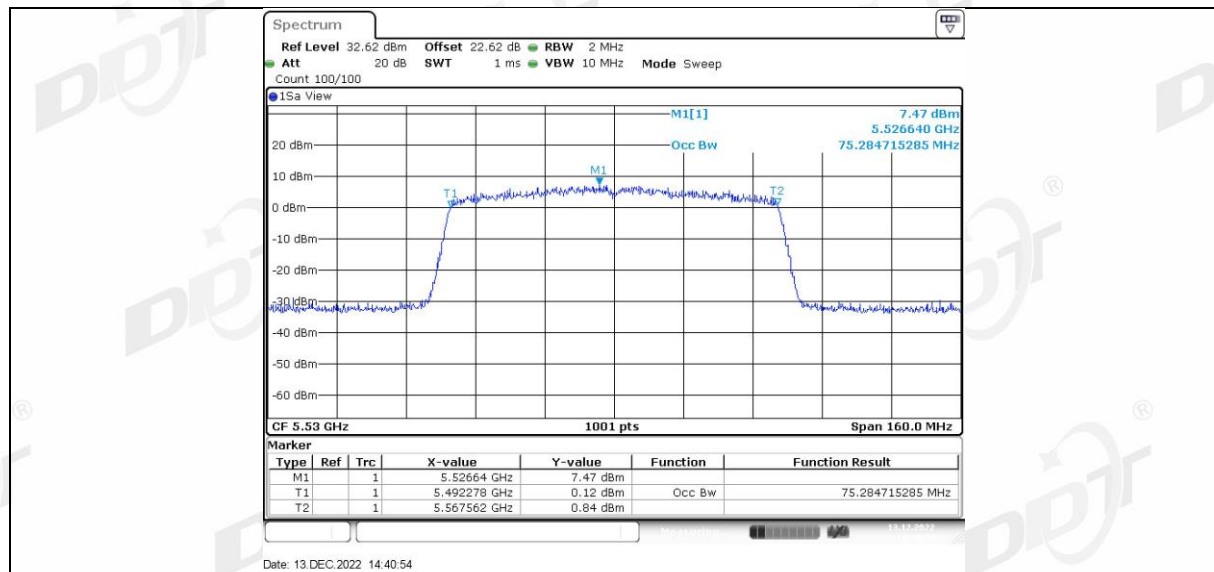


11AC80MIMO Ant2_5210

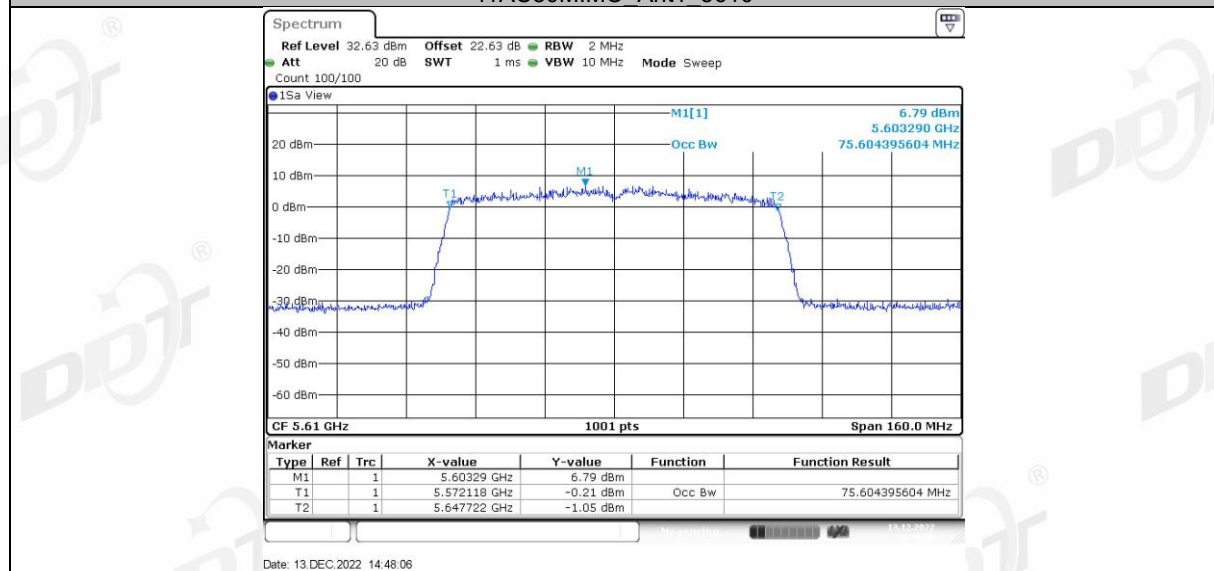


11AC80MIMO Ant1_5290

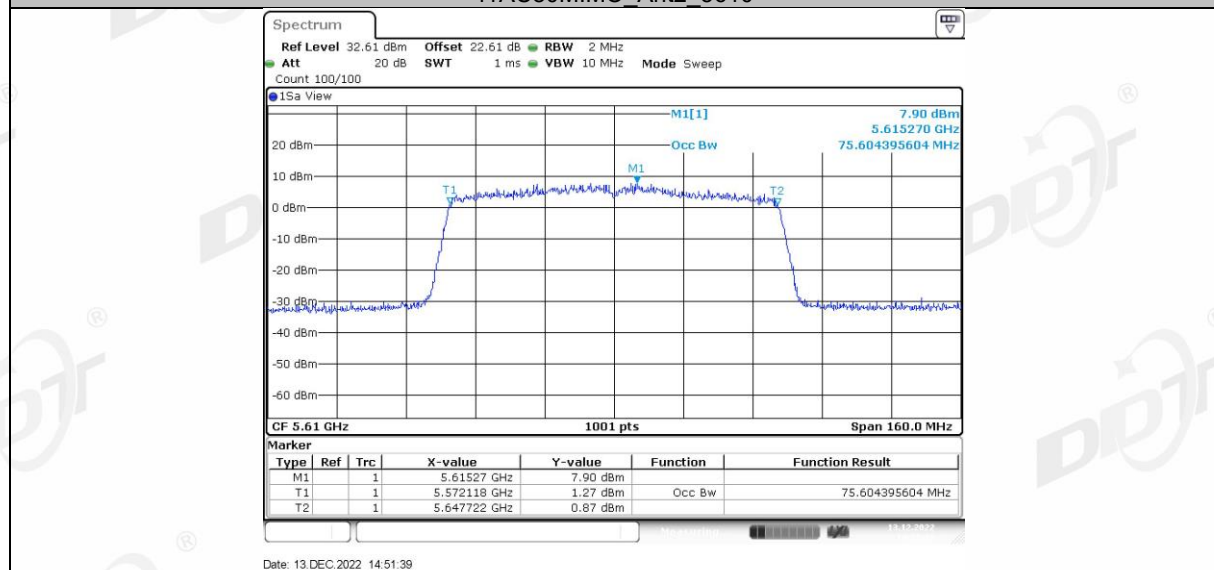




11AC80MIMO Ant1_5610



11AC80MIMO Ant2_5610

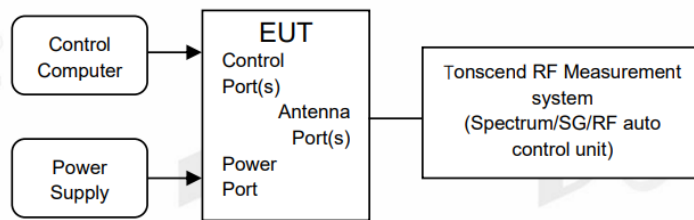


11AC80MIMO Ant1_5775



7. Duty Cycle

7.1. Block diagram of test setup



7.2. Limit

Just for Report.

7.3. Test procedure

- (1) Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, The cable loss and attenuator loss have been put into spectrum analyzer as amplitude offset.

set the Spectrum Analyzer as below:

Centre Frequency: The centre frequency of the middle hopping channel.

Resolution BW: 10 MHz.

Video BW: 10 MHz.

Span: Zero span.

Detector: Peak.

Trace Mode: Max Hold.

Sweep: Video Trigger

- (2) When the trace is complete, measure the sending time of 1 burst and the duty cycle of 1 burst cycle.

- (3) Calculate dwell time follow below formula:

Duty cycle= Pulse's on time / Burst cycle

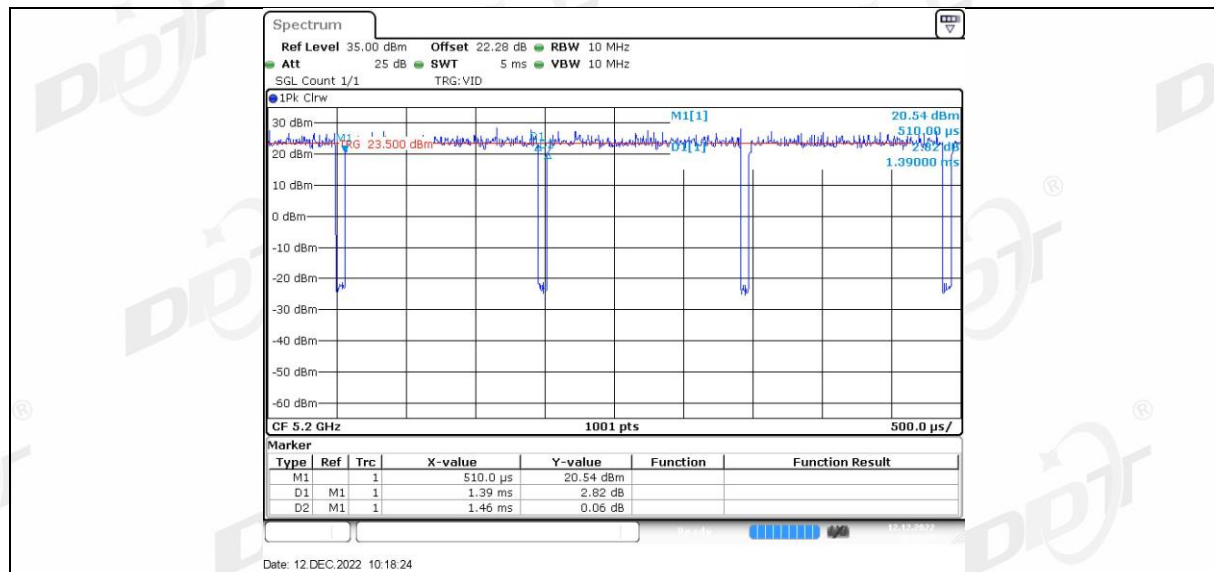
7.4. Test result

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A-CDD	Ant1	5180	1.39	1.45	95.86
	Ant2	5180	1.40	1.46	95.89
	Ant1	5200	1.39	1.46	95.21
	Ant2	5200	1.40	1.46	95.89
	Ant1	5240	1.40	1.46	95.89
	Ant2	5240	1.40	1.46	95.89
	Ant1	5260	1.40	1.46	95.89
	Ant2	5260	1.40	1.46	95.89
	Ant1	5280	1.39	1.46	95.21
	Ant2	5280	1.39	1.46	95.21
	Ant1	5320	1.40	1.46	95.89
	Ant2	5320	1.39	1.45	95.86
	Ant1	5500	1.40	1.46	95.89
	Ant2	5500	1.40	1.46	95.89
	Ant1	5580	1.40	1.46	95.89
	Ant2	5580	1.40	1.46	95.89
	Ant1	5700	1.40	1.46	95.89
	Ant2	5700	1.40	1.46	95.89
	Ant1	5745	1.39	1.45	95.86
	Ant2	5745	1.40	1.46	95.89
	Ant1	5785	1.39	1.46	95.21
	Ant2	5785	1.40	1.46	95.89
	Ant1	5825	1.39	1.46	95.21
	Ant2	5825	1.40	1.46	95.89
11N20MIMO	Ant1	5180	0.68	0.74	91.89
	Ant2	5180	0.67	0.74	90.54
	Ant1	5200	0.67	0.74	90.54
	Ant2	5200	0.68	0.74	91.89
	Ant1	5240	0.68	0.74	91.89
	Ant2	5240	0.67	0.74	90.54
	Ant1	5260	0.67	0.73	91.78
	Ant2	5260	0.67	0.74	90.54
	Ant1	5280	0.67	0.74	90.54
	Ant2	5280	0.68	0.74	91.89
	Ant1	5320	0.68	0.74	91.89
	Ant2	5320	0.68	0.74	91.89
	Ant1	5500	0.68	0.74	91.89
	Ant2	5500	0.67	0.74	90.54
	Ant1	5580	0.67	0.74	90.54
	Ant2	5580	0.67	0.74	90.54
	Ant1	5700	0.67	0.74	90.54
	Ant2	5700	0.68	0.74	91.89
	Ant1	5745	0.67	0.74	90.54
	Ant2	5745	0.67	0.74	90.54
	Ant1	5785	0.68	0.74	91.89
	Ant2	5785	0.67	0.74	90.54
	Ant1	5825	0.68	0.74	91.89
	Ant2	5825	0.67	0.74	90.54
11N40MIMO	Ant1	5190	0.34	0.40	85.00
	Ant2	5190	0.35	0.41	85.37
	Ant1	5230	0.34	0.40	85.00
	Ant2	5230	0.35	0.41	85.37
	Ant1	5270	0.35	0.41	85.37
	Ant2	5270	0.35	0.41	85.37
	Ant1	5310	0.35	0.41	85.37
	Ant2	5310	0.34	0.40	85.00
	Ant1	5510	0.35	0.41	85.37
	Ant2	5510	0.35	0.41	85.37
	Ant1	5550	0.35	0.41	85.37
	Ant2	5550	0.35	0.41	85.37

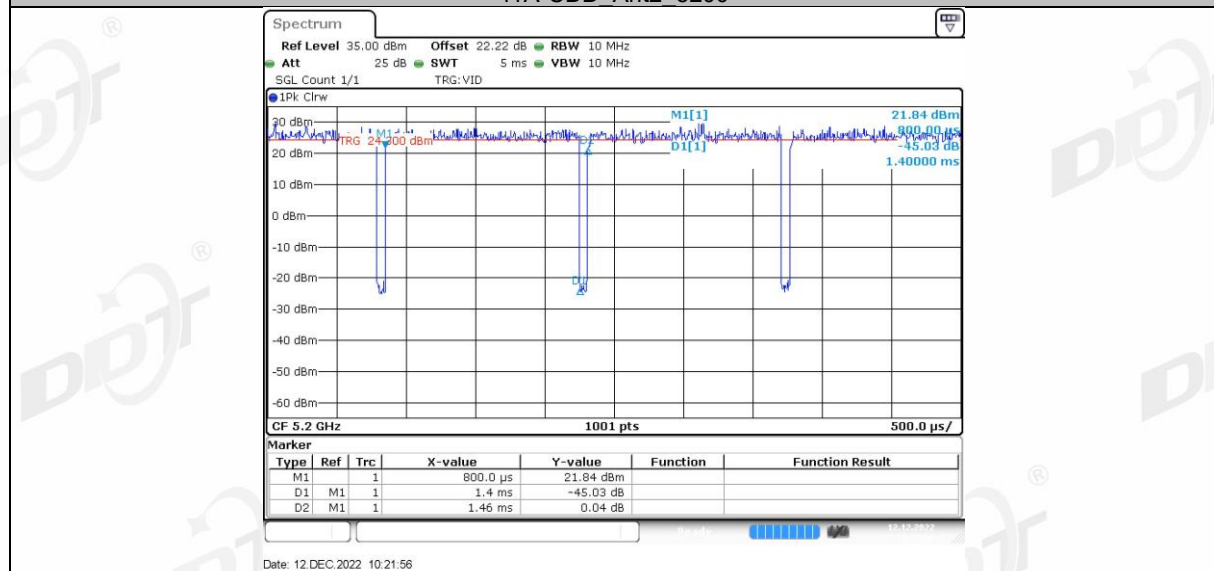
	Ant1	5670	0.35	0.41	85.37
	Ant2	5670	0.35	0.41	85.37
	Ant1	5755	0.34	0.41	82.93
	Ant2	5755	0.34	0.41	82.93
	Ant1	5795	0.34	0.41	82.93
	Ant2	5795	0.34	0.40	85.00
11AC20MIMO	Ant1	5180	1.31	1.38	94.93
	Ant2	5180	1.32	1.38	95.65
	Ant1	5200	1.31	1.38	94.93
	Ant2	5200	1.32	1.38	95.65
	Ant1	5240	1.32	1.38	95.65
	Ant2	5240	1.32	1.38	95.65
	Ant1	5260	1.32	1.38	95.65
	Ant2	5260	1.32	1.38	95.65
	Ant1	5280	1.32	1.38	95.65
	Ant2	5280	1.32	1.38	95.65
	Ant1	5320	1.31	1.38	94.93
	Ant2	5320	1.31	1.37	95.62
	Ant1	5500	1.32	1.38	95.65
	Ant2	5500	1.32	1.38	95.65
	Ant1	5580	1.32	1.38	95.65
	Ant2	5580	1.31	1.38	94.93
	Ant1	5700	1.32	1.38	95.65
	Ant2	5700	1.31	1.38	94.93
	Ant1	5745	1.32	1.38	95.65
	Ant2	5745	1.32	1.38	95.65
	Ant1	5785	1.32	1.38	95.65
	Ant2	5785	1.32	1.38	95.65
	Ant1	5825	1.32	1.38	95.65
	Ant2	5825	1.31	1.38	94.93
11AC40MIMO	Ant1	5190	0.66	0.72	91.67
	Ant2	5190	0.65	0.71	91.55
	Ant1	5230	0.65	0.71	91.55
	Ant2	5230	0.66	0.72	91.67
	Ant1	5270	0.65	0.71	91.55
	Ant2	5270	0.65	0.72	90.28
	Ant1	5310	0.65	0.71	91.55
	Ant2	5310	0.65	0.72	90.28
	Ant1	5510	0.65	0.71	91.55
	Ant2	5510	0.65	0.71	91.55
	Ant1	5550	0.66	0.72	91.67
	Ant2	5550	0.66	0.72	91.67
	Ant1	5670	0.65	0.71	91.55
	Ant2	5670	0.65	0.71	91.55
	Ant1	5755	0.65	0.71	91.55
	Ant2	5755	0.65	0.71	91.55
	Ant1	5795	0.66	0.72	91.67
	Ant2	5795	0.66	0.72	91.67
11AC80MIMO	Ant1	5210	0.32	0.38	84.21
	Ant2	5210	0.32	0.38	84.21
	Ant1	5290	0.32	0.38	84.21
	Ant2	5290	0.32	0.38	84.21
	Ant1	5530	0.32	0.38	84.21
	Ant2	5530	0.32	0.38	84.21
	Ant1	5610	0.33	0.39	84.62
	Ant2	5610	0.32	0.38	84.21
	Ant1	5775	0.33	0.39	84.62
	Ant2	5775	0.32	0.38	84.21

7.5. Test graphs

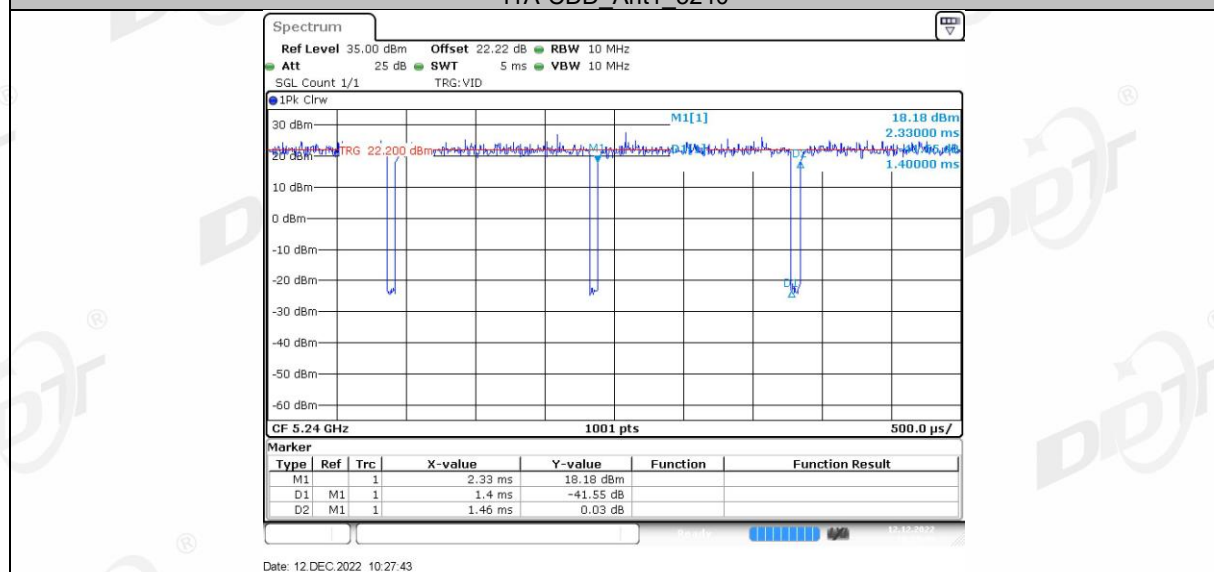




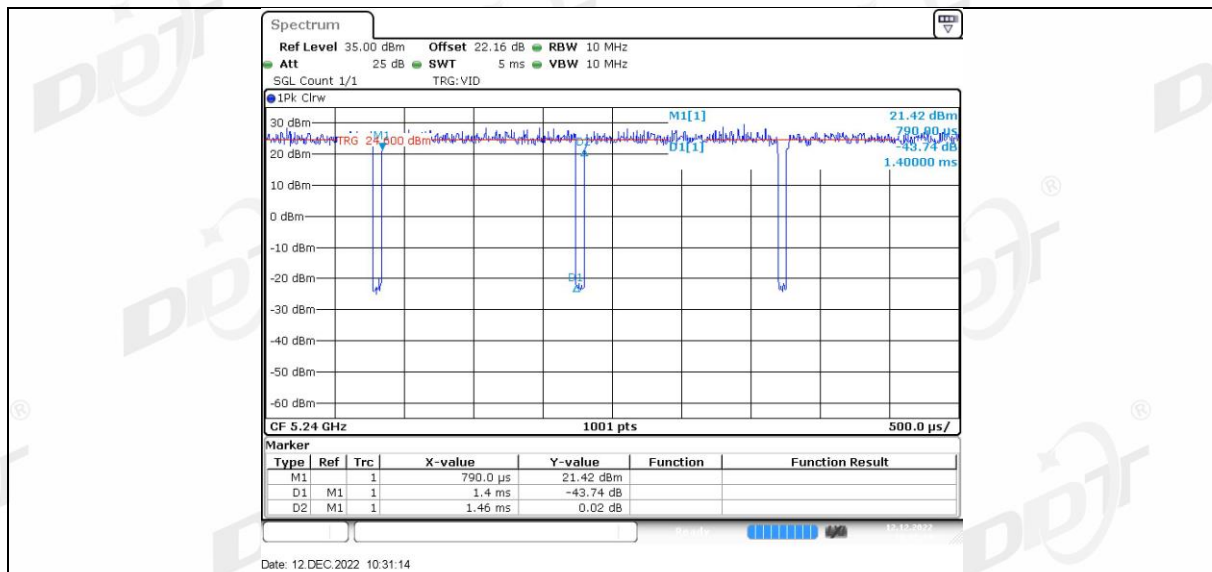
11A-CDD Ant2 5200



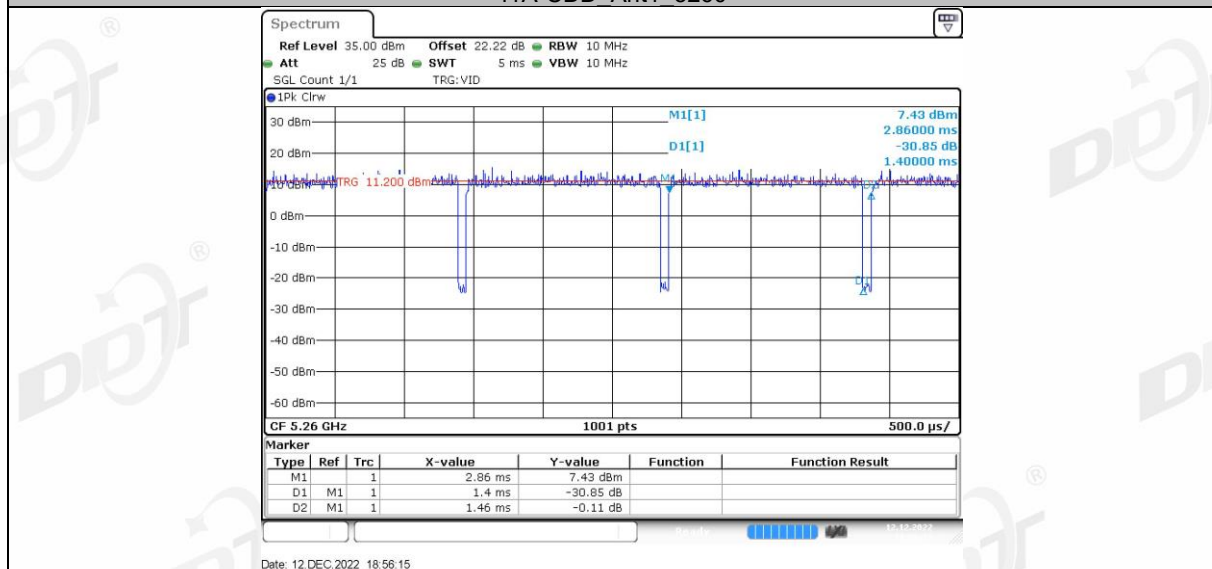
11A-CDD Ant1 5240



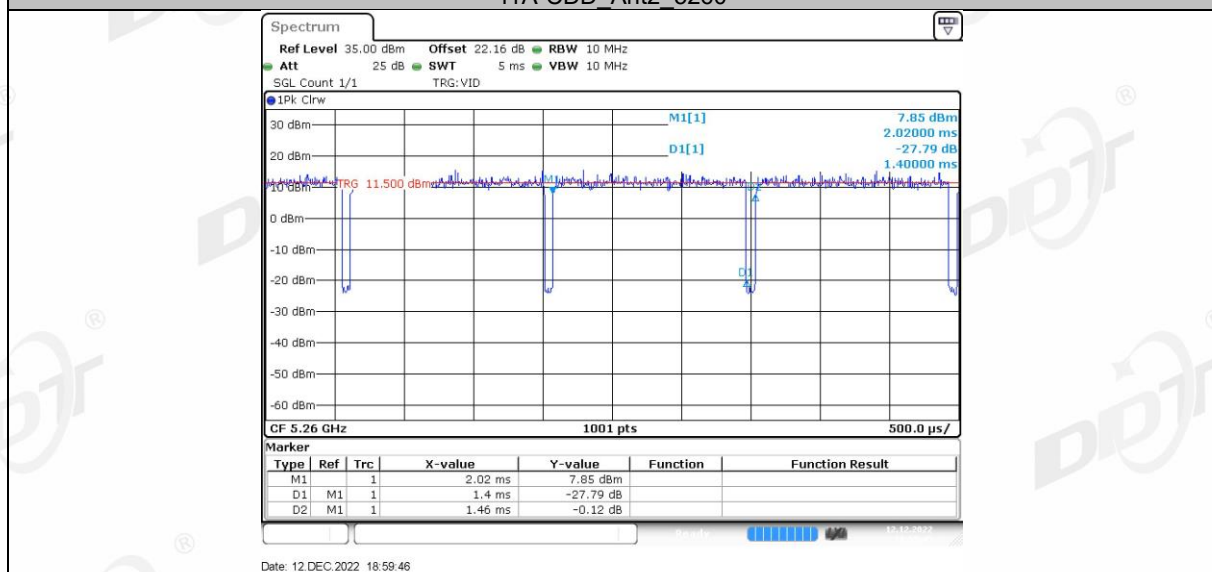
11A-CDD Ant2 5240



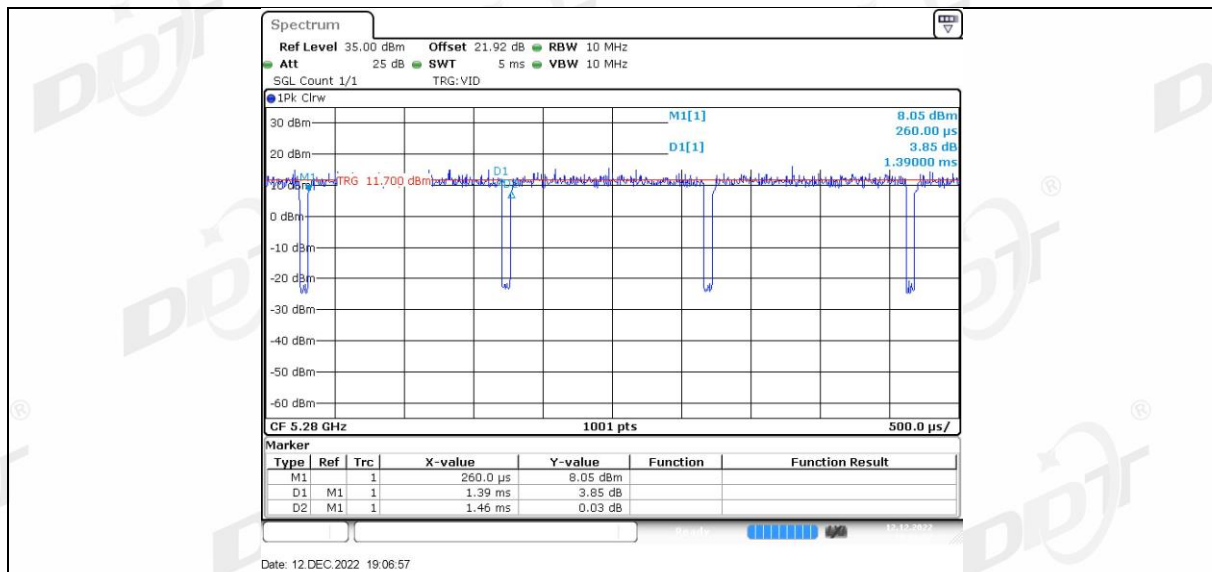
11A-CDD Ant1 5260



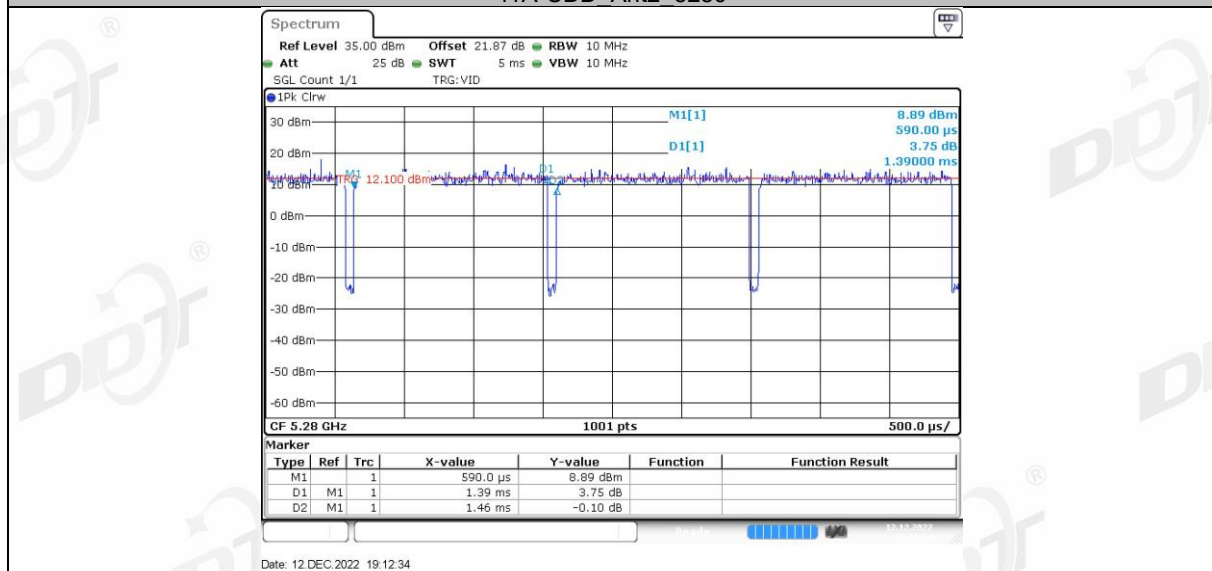
11A-CDD Ant2 5260



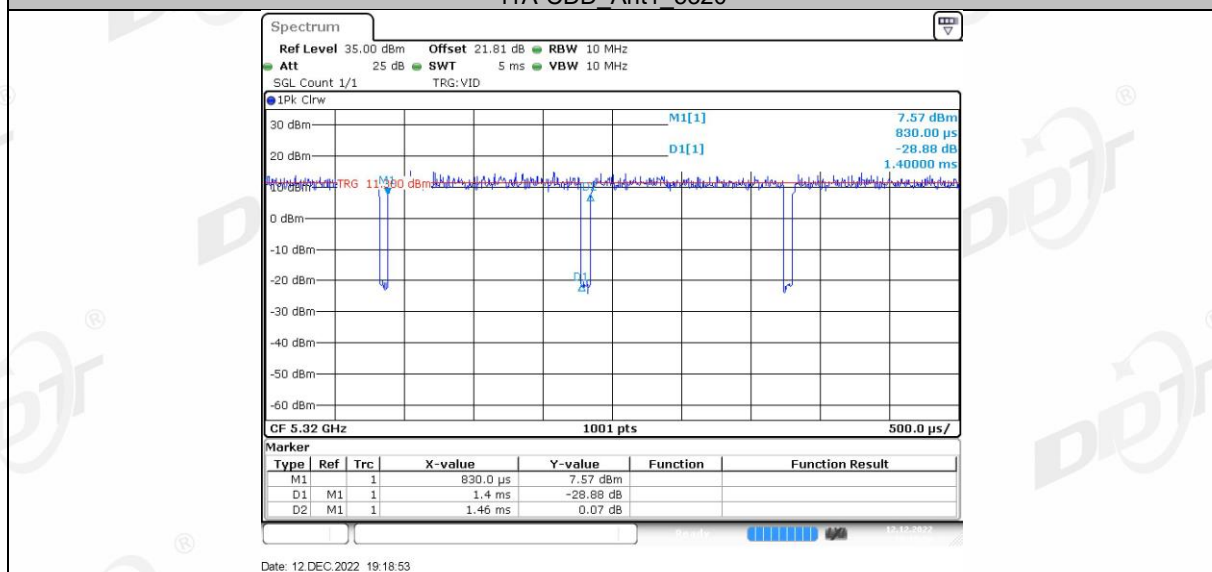
11A-CDD Ant1 5280



11A-CDD Ant2 5280



11A-CDD Ant1 5320



11A-CDD Ant2 5320