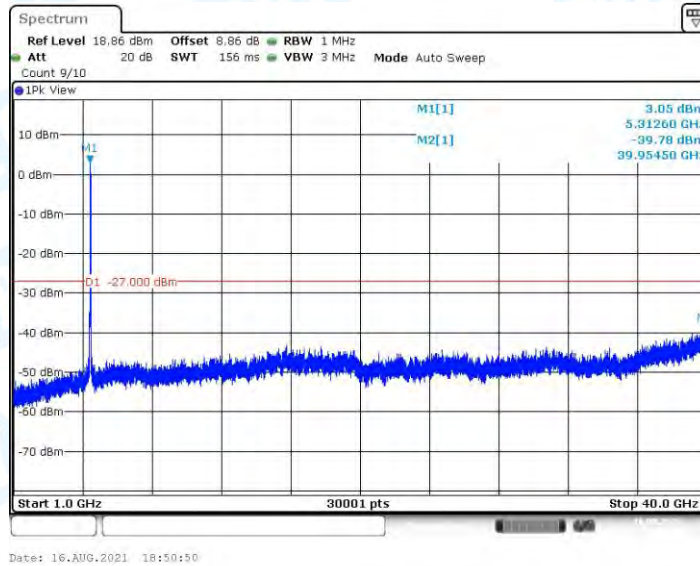
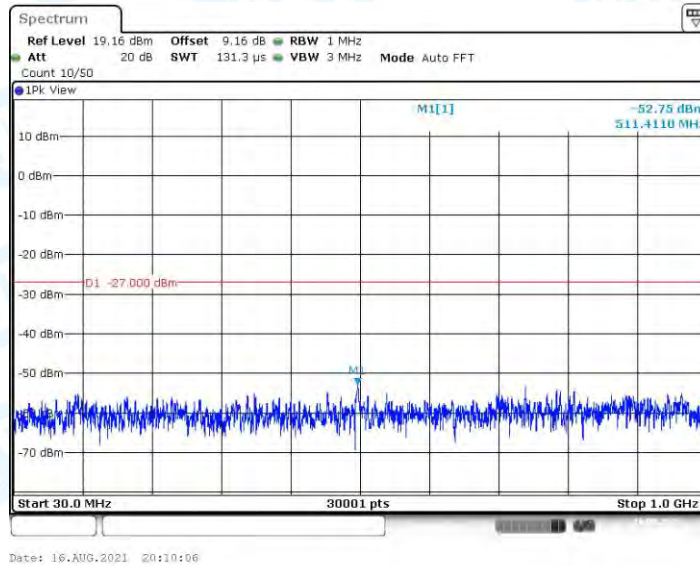
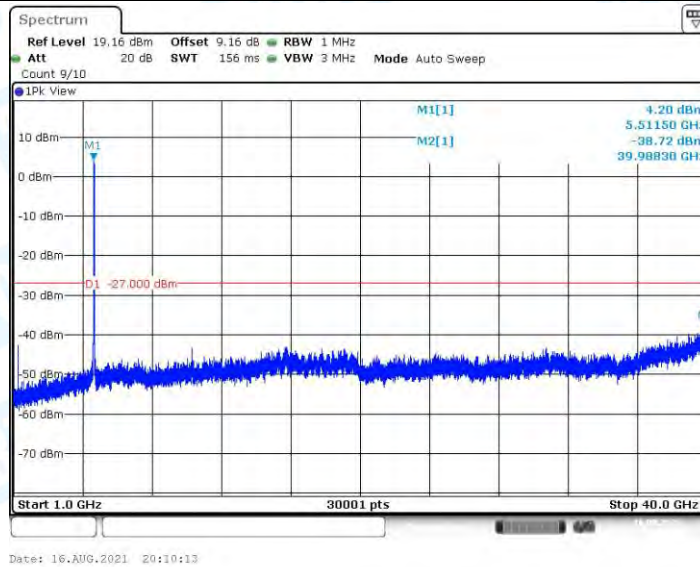




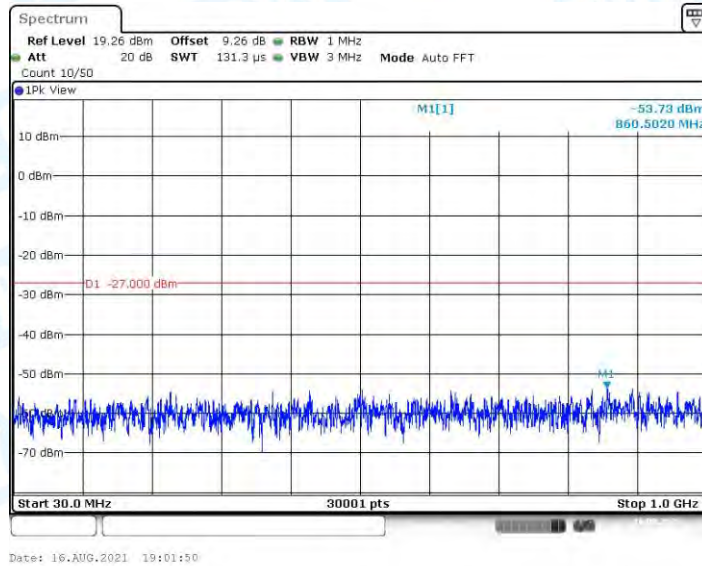
11AC40MIMO_Ant1_5510_30~1000



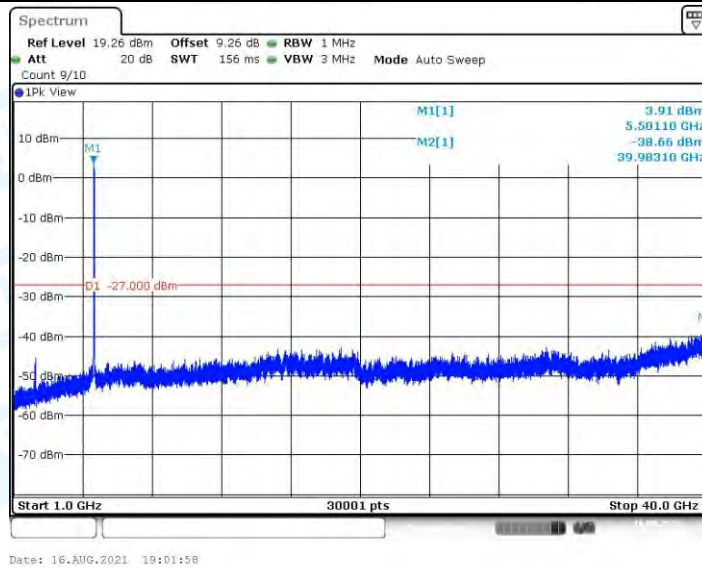
11AC40MIMO_Ant1_5510_1000~40000



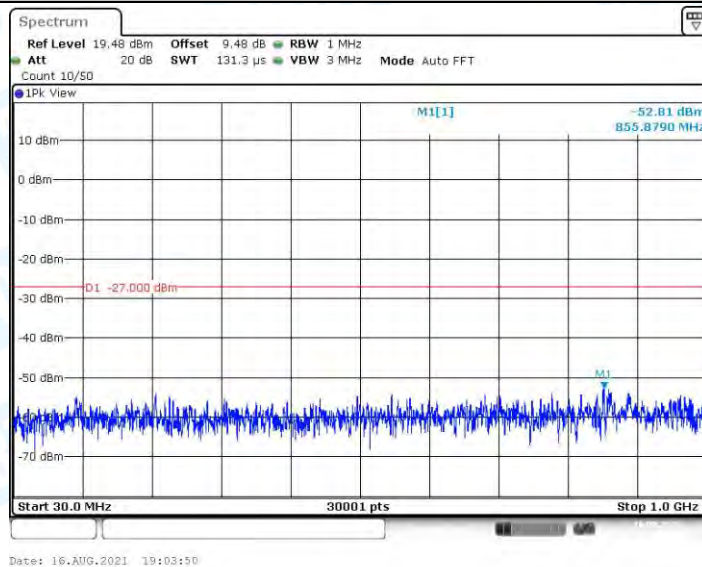
11AC40MIMO_Ant2_5510_30~1000



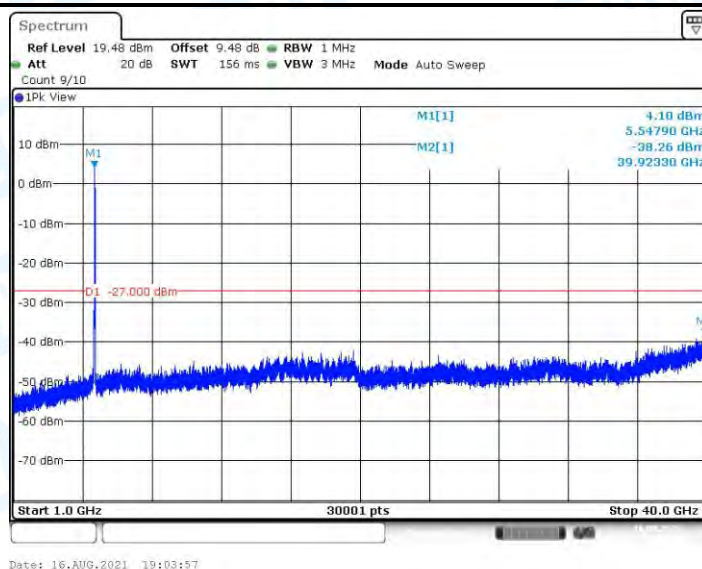
11AC40MIMO_Ant2_5510_1000~40000



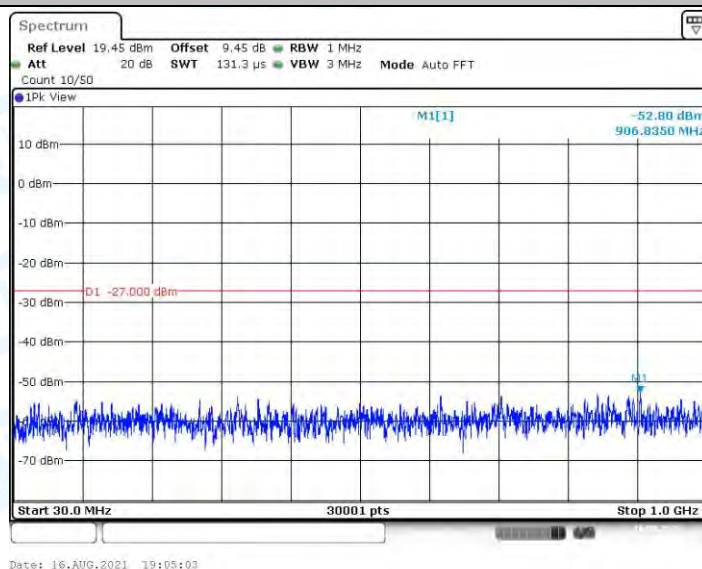
11AC40MIMO_Ant1_5550_30~1000



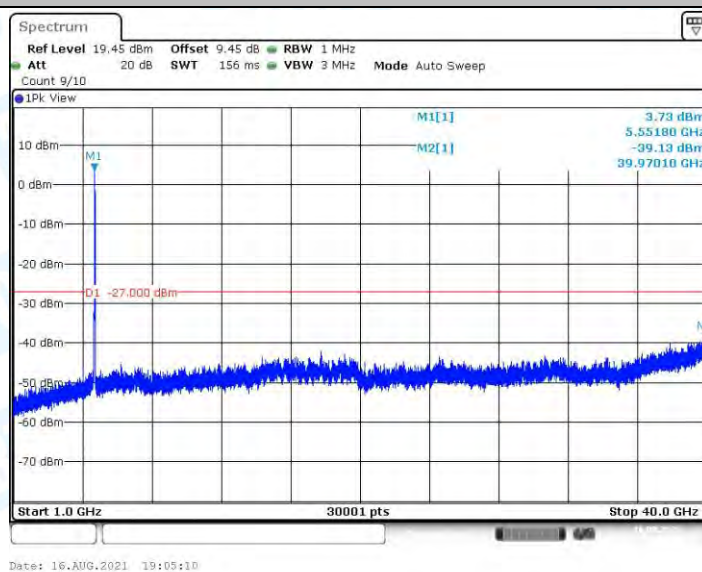
11AC40MIMO_Ant1_5550_1000~40000



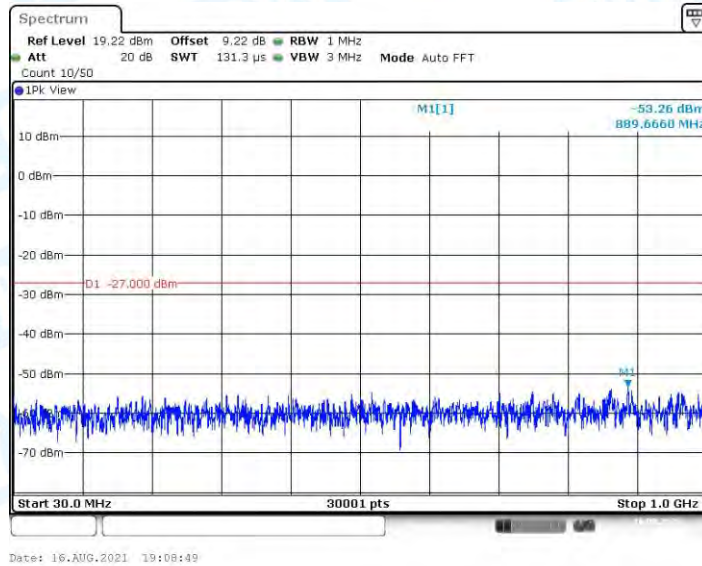
11AC40MIMO_Ant2_5550_30~1000



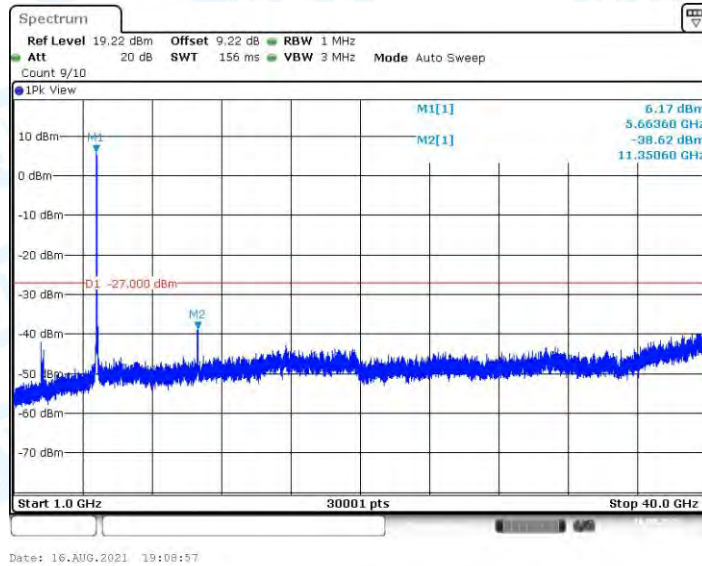
11AC40MIMO_Ant2_5550_1000~40000



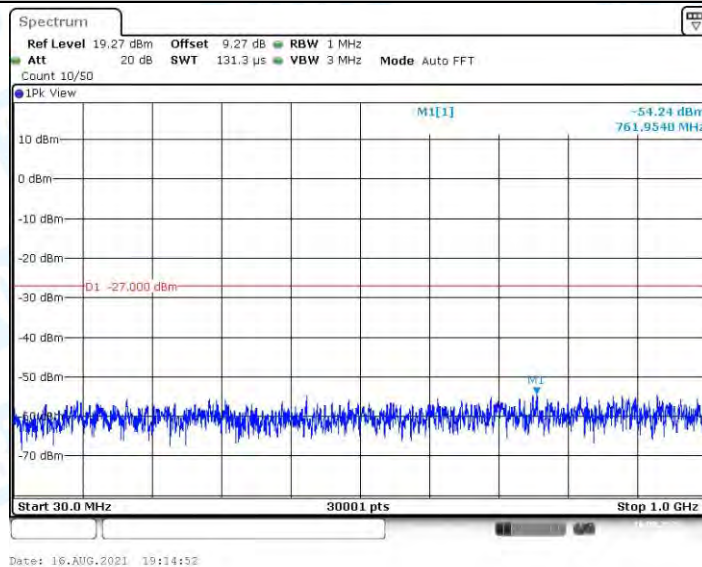
11AC40MIMO_Ant1_5670_30~1000



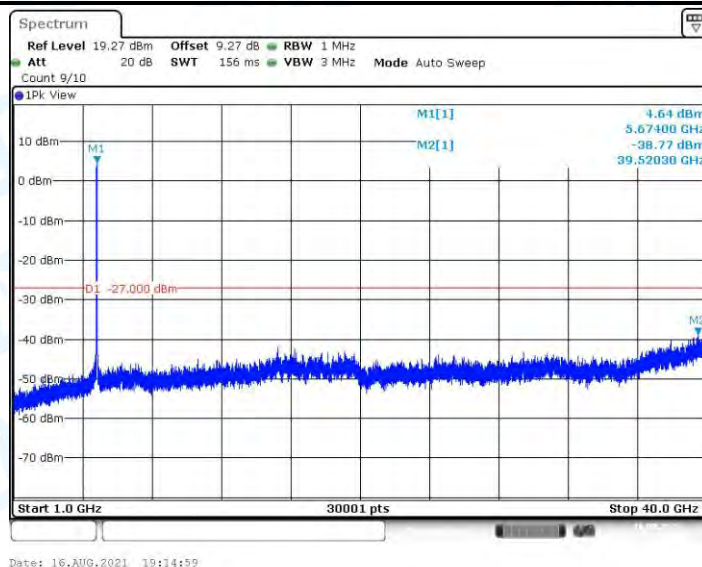
11AC40MIMO_Ant1_5670_1000~40000



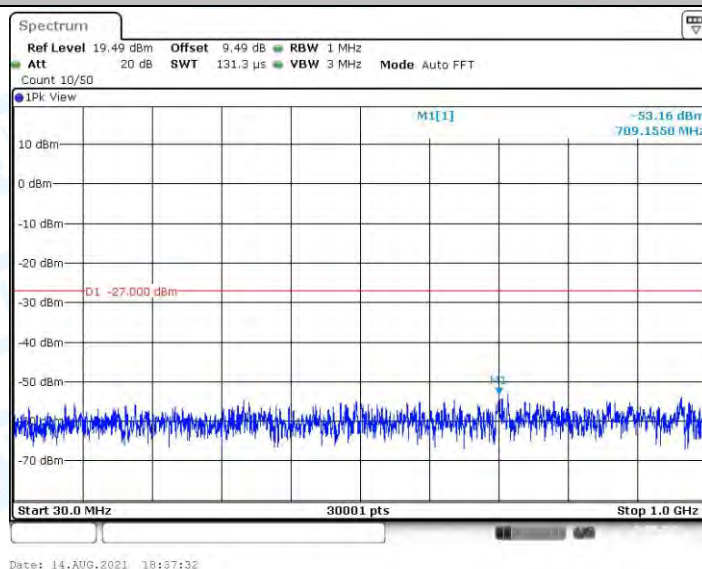
11AC40MIMO_Ant2_5670_30~1000



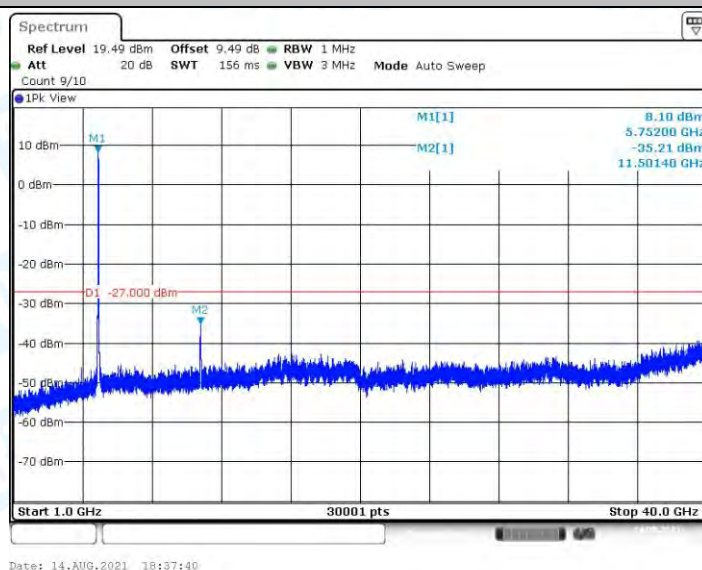
11AC40MIMO_Ant2_5670_1000~40000



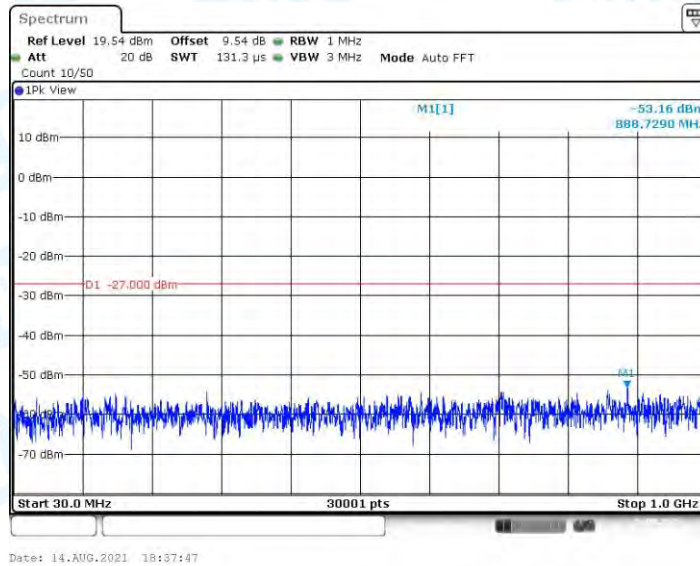
11AC40MIMO_Ant1_5755_30~1000



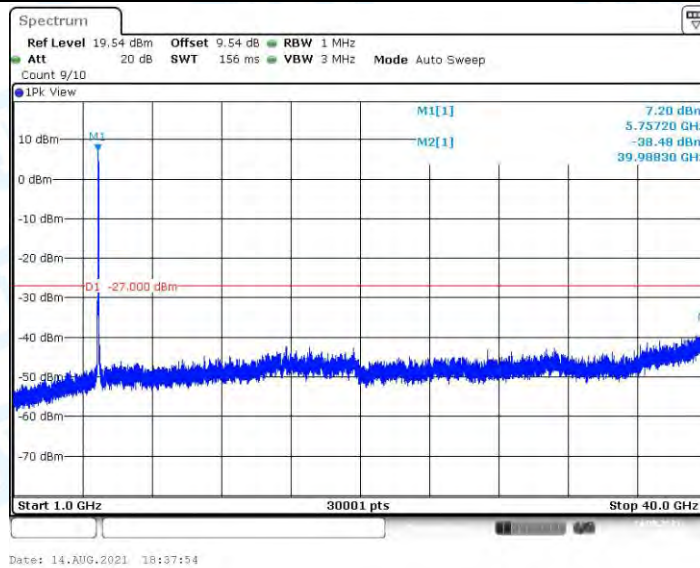
11AC40MIMO_Ant1_5755_1000~40000



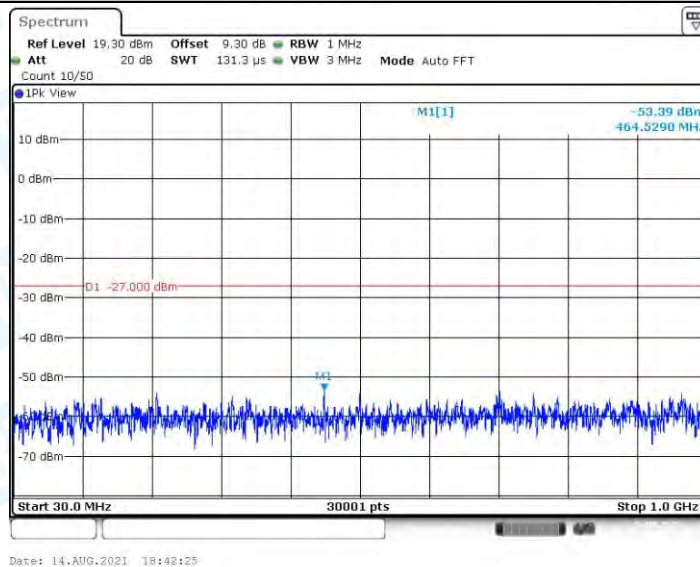
11AC40MIMO_Ant2_5755_30~1000



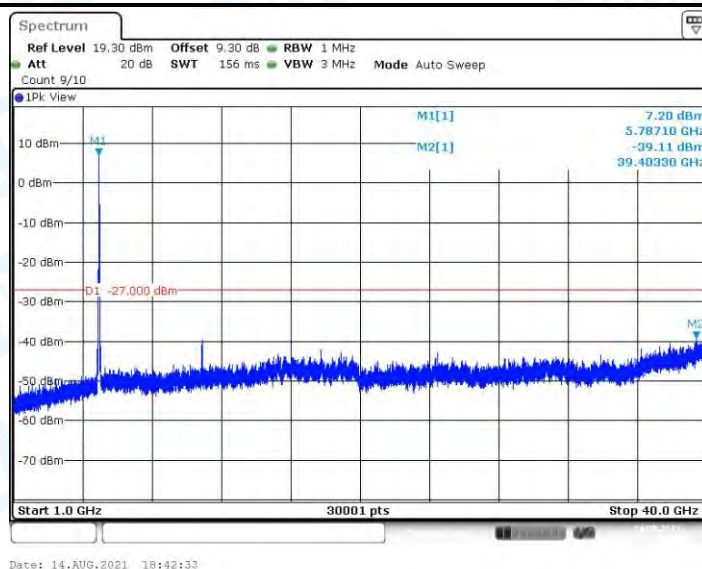
11AC40MIMO_Ant2_5755_1000~40000



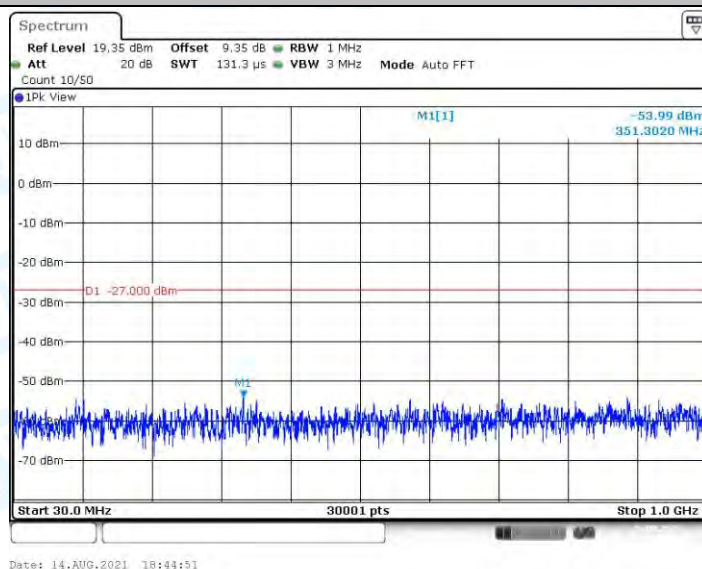
11AC40MIMO_Ant1_5795_30~1000



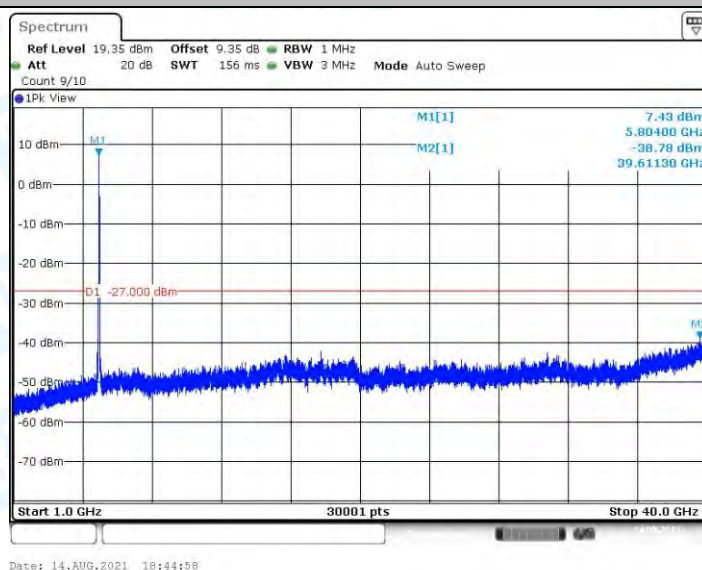
11AC40MIMO_Ant1_5795_1000~40000



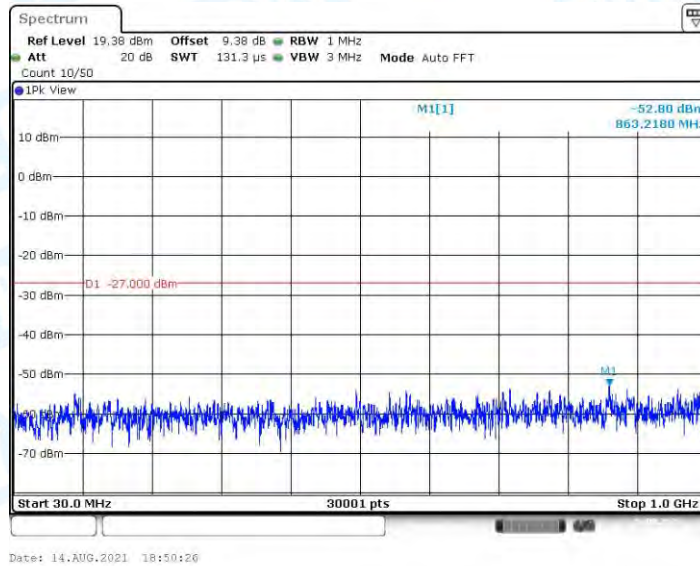
11AC40MIMO_Ant2_5795_30~1000



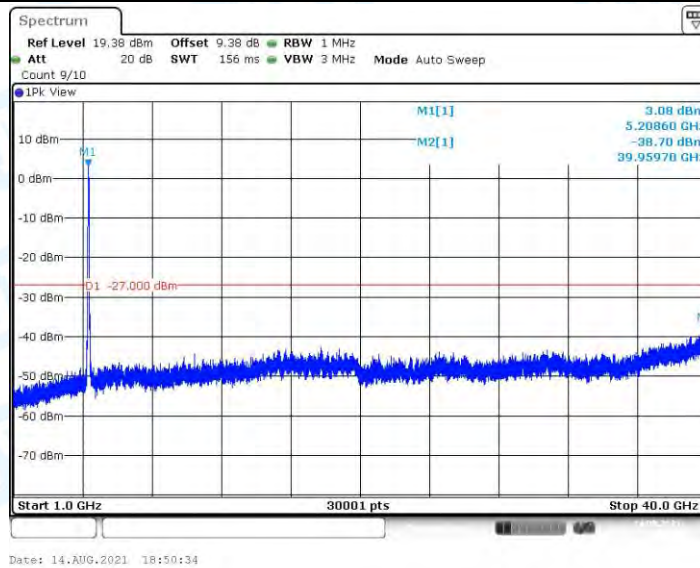
11AC40MIMO_Ant2_5795_1000~40000



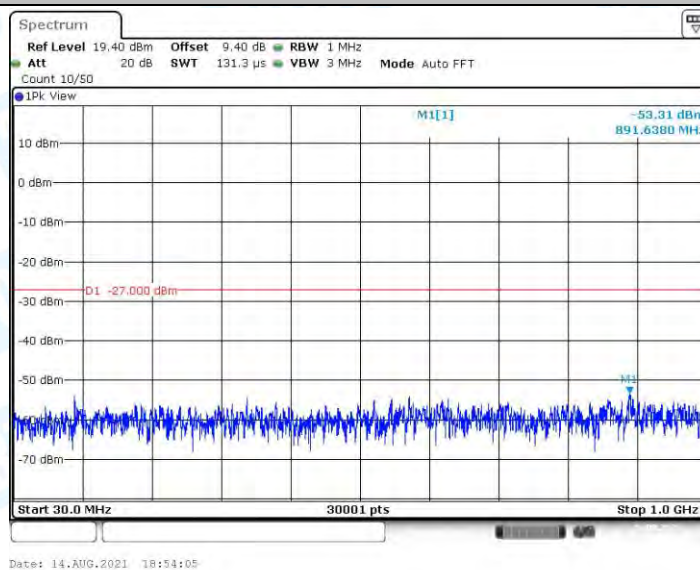
11AC80MIMO_Ant1_5210_30~1000



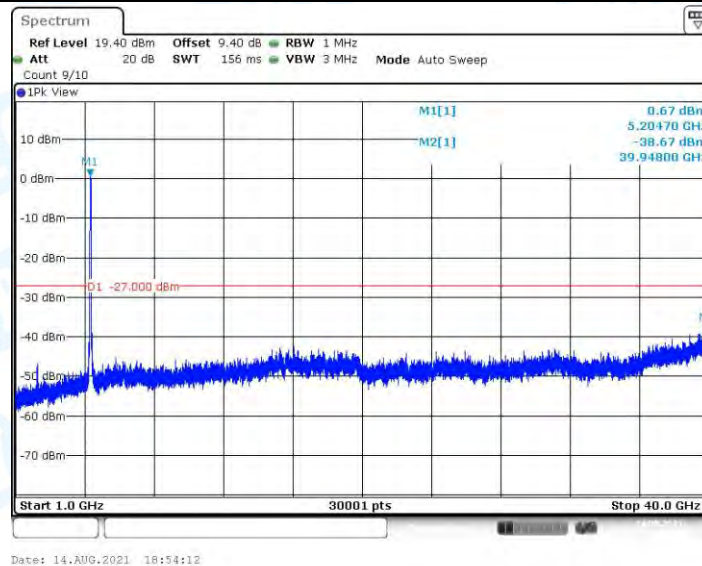
11AC80MIMO_Ant1_5210_1000~40000



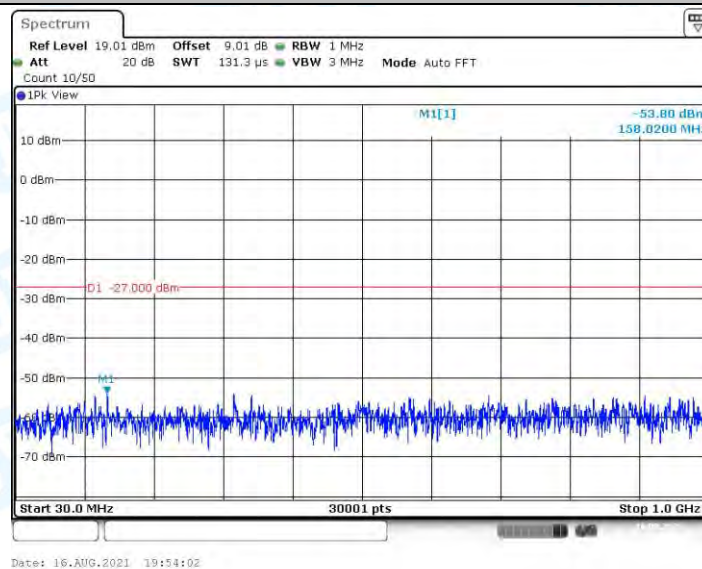
11AC80MIMO_Ant2_5210_30~1000



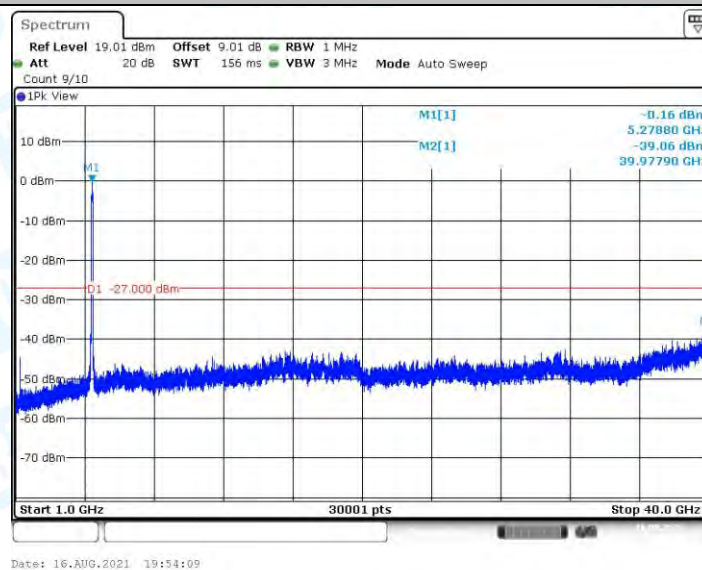
11AC80MIMO_Ant2_5210_1000~40000



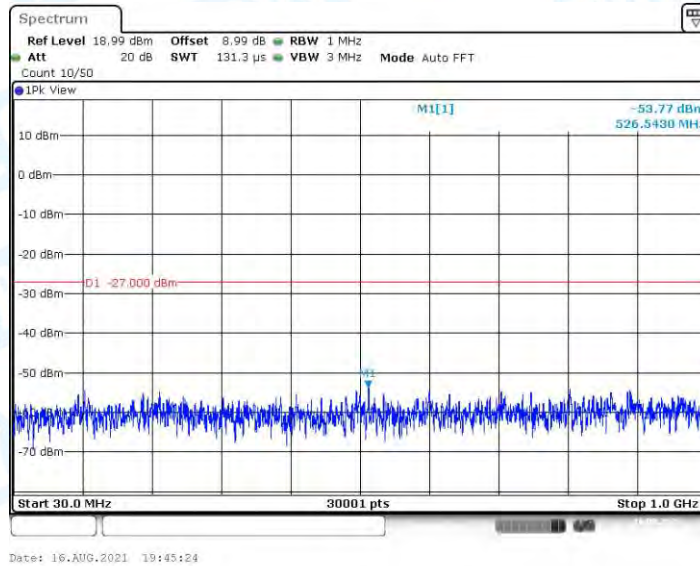
11AC80MIMO_Ant1_5290_30~1000



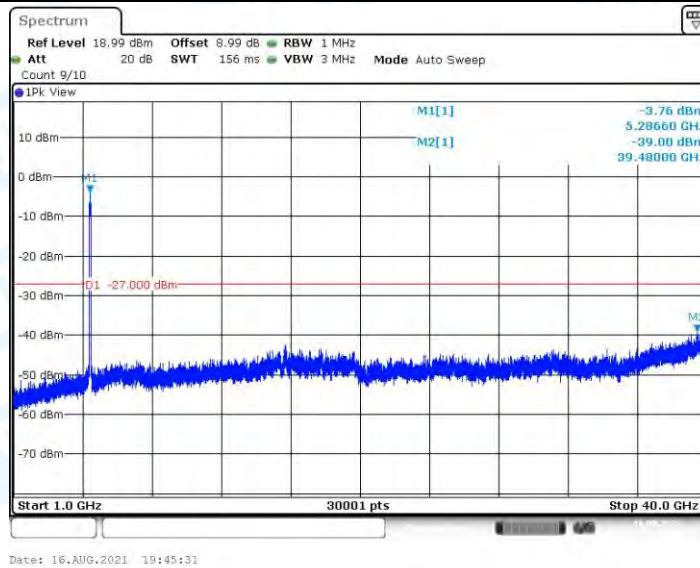
11AC80MIMO_Ant1_5290_1000~40000



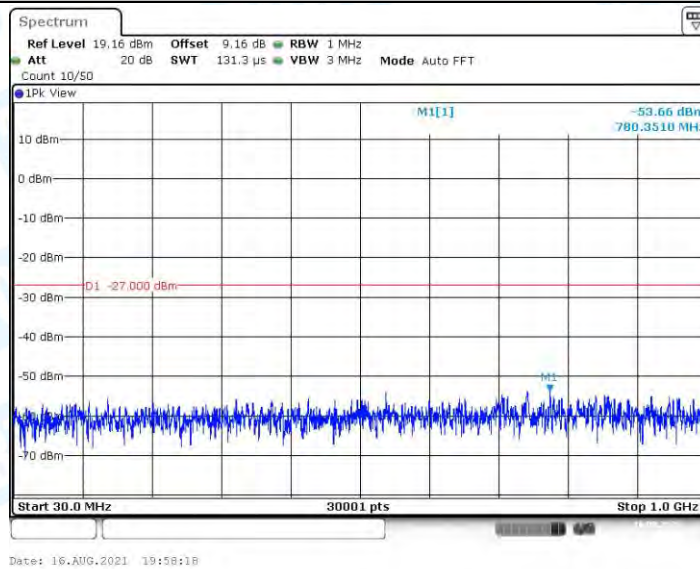
11AC80MIMO_Ant2_5290_30~1000



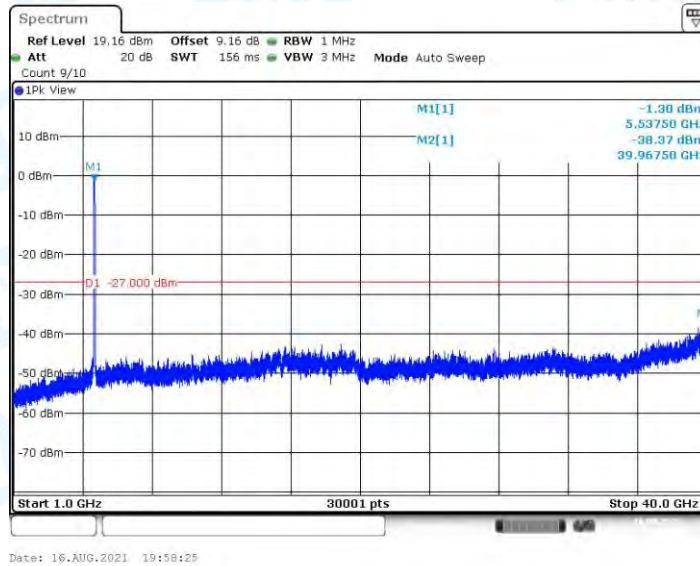
11AC80MIMO_Ant2_5290_1000~40000



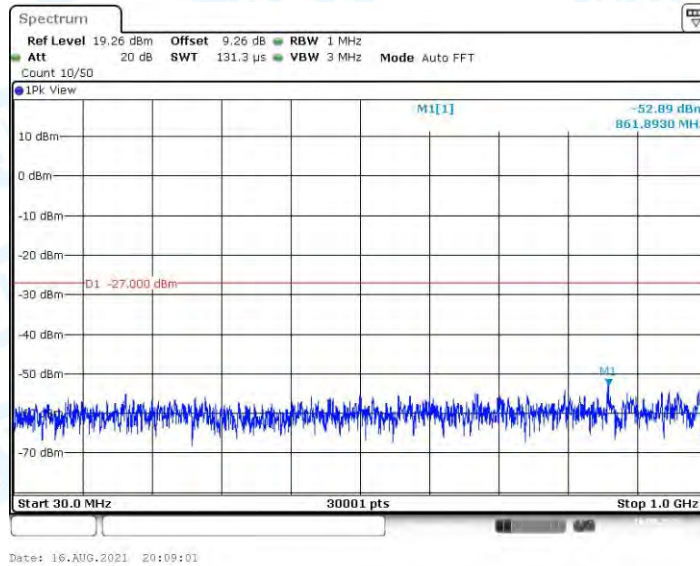
11AC80MIMO_Ant1_5530_30~1000



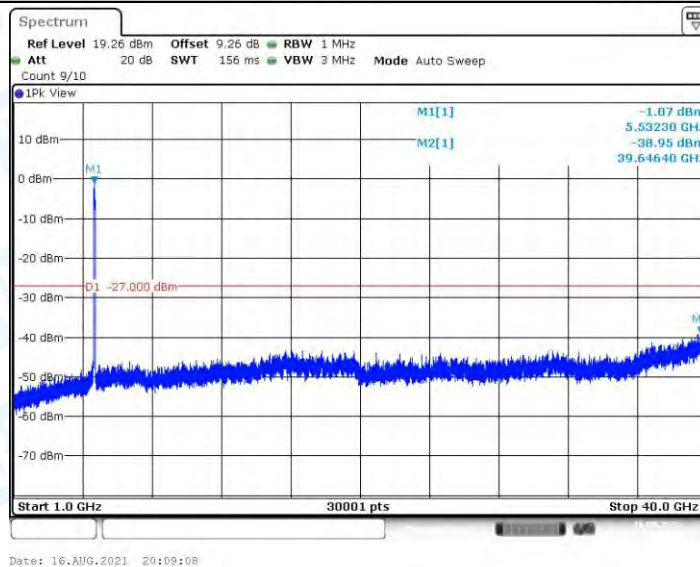
11AC80MIMO_Ant1_5530_1000~40000



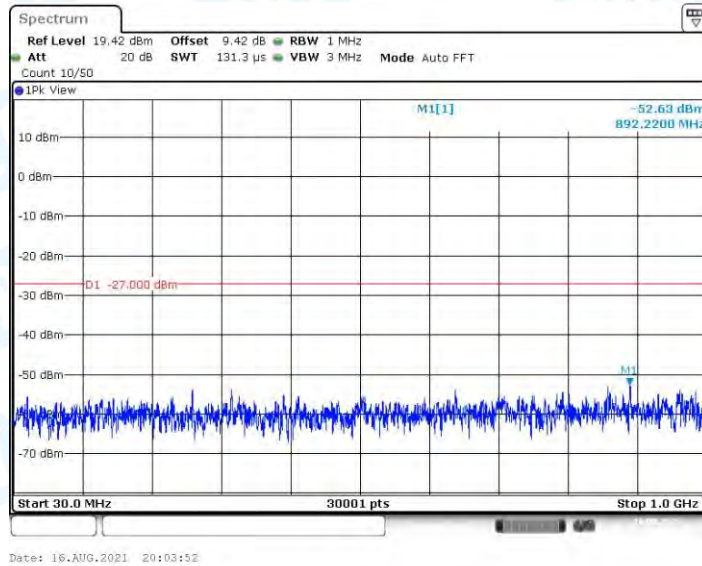
11AC80MIMO_Ant2_5530_30~1000



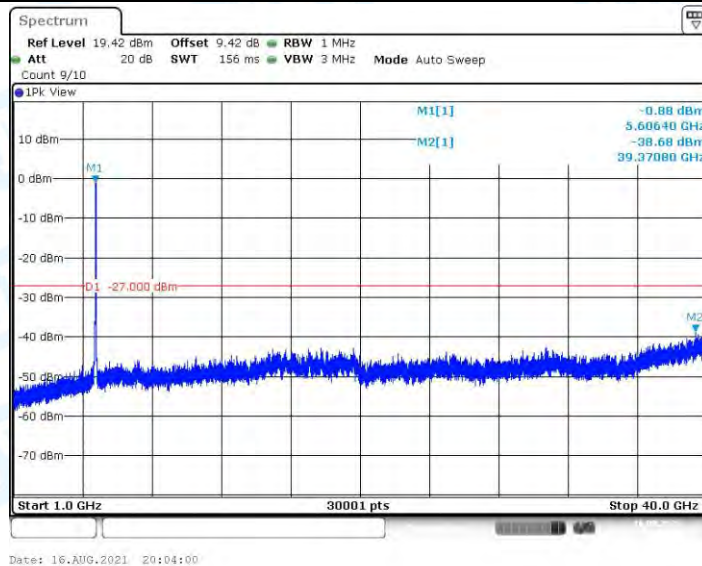
11AC80MIMO_Ant2_5530_1000~40000



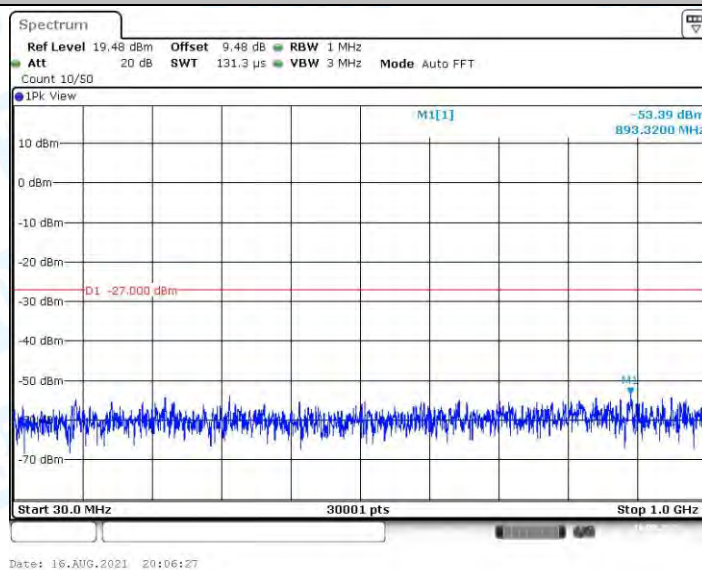
11AC80MIMO_Ant1_5610_30~1000



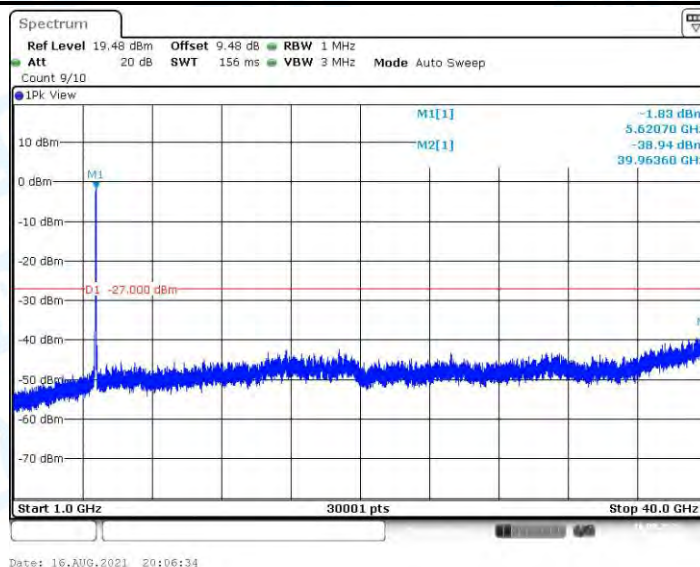
11AC80MIMO_Ant1_5610_1000~40000



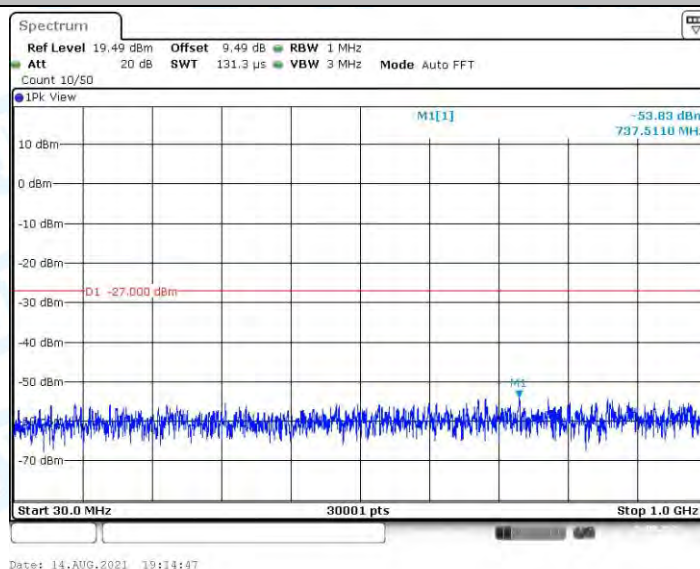
11AC80MIMO_Ant2_5610_30~1000



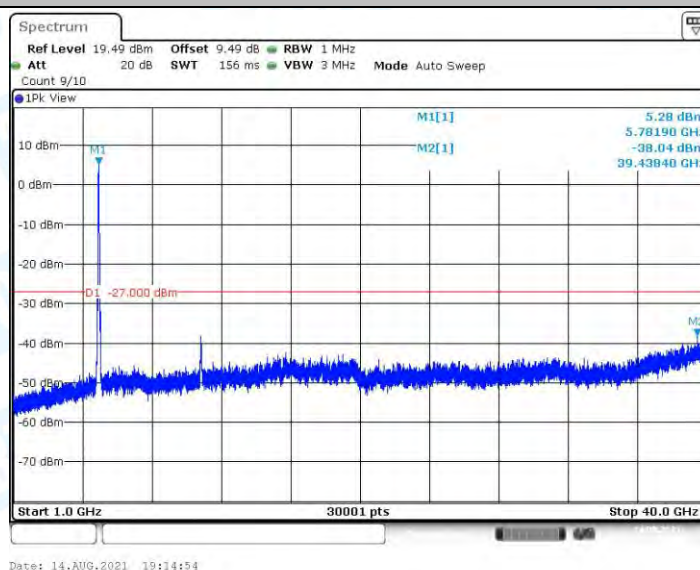
11AC80MIMO_Ant2_5610_1000~40000



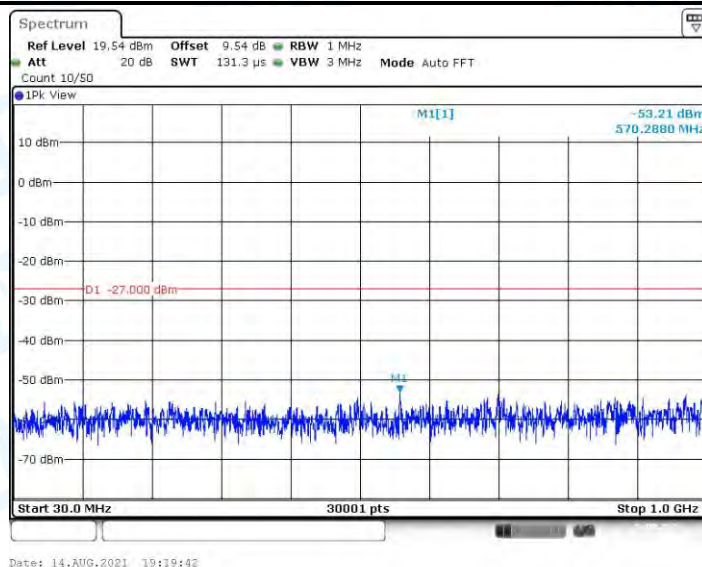
11AC80MIMO_Ant1_5775_30~1000



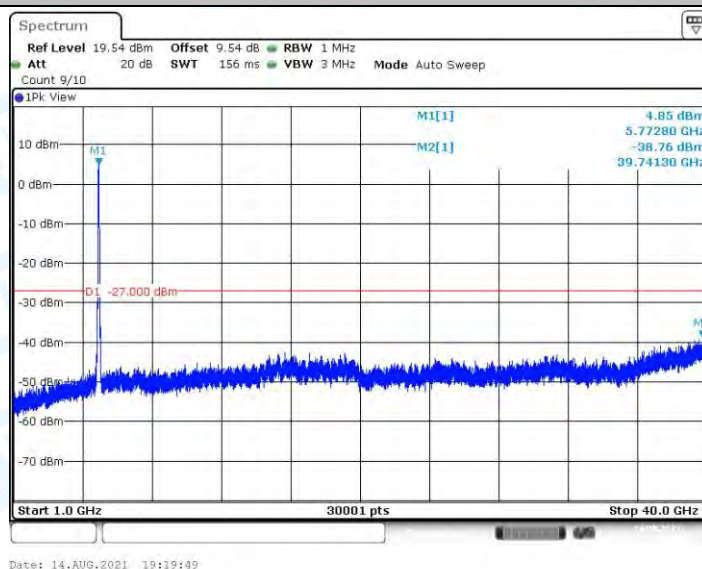
11AC80MIMO_Ant1_5775_1000~40000



11AC80MIMO_Ant2_5775_30~1000



11AC80MIMO_Ant2_5775_1000~40000



7. Frequency Stability

7.1. Test Result

Only show the worst case 802.11 a Mode 5180MHz.

801.11a U-NII-1: 5180 MHz	
Voltage vs. Frequency Stability	
Voltage (V)	Measurement Frequency (MHz)
4.5	5180.0400
5	5180.0200
5.5	5180.0200
Limit Range (MHz)	5150-5250
Result	PASS
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5180.0200
10	5180.0200
20	5180.0200
30	5180.0300
40	5180.0600
50	5180.0400
Limit Range (MHz)	5150-5250
Result	PASS

Only show the worst case 802.11 a Mode 5260MHz.

801.11a U-NII-2A: 5260 MHz	
Voltage vs. Frequency Stability	
Voltage (V)	Measurement Frequency (MHz)
4.5	5280.0300
5	5280.0200
5.5	5280.0400
Limit Range (MHz)	5250-5350
Result	PASS
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5280.0200
10	5280.0300
20	5280.0200
30	5280.0400
40	5280.0400
50	5280.0057
Limit Range (MHz)	5250-5350
Result	PASS

Only show the worst case 802.11 a Mode 5500MHz.

801.11a U-NII-2C: 5500 MHz	
Voltage vs. Frequency Stability	
Voltage (V)	Measurement Frequency (MHz)
4.5	5500.0100
5	5500.0200
5.5	5500.0200
Limit Range (MHz)	5470-5725
Result	PASS
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5500.0400
10	5500.0200
20	5500.0300
30	5500.0400
40	5500.0300
50	5500.0200
Limit Range (MHz)	5470-5725
Result	PASS

Only show the worst case 802.11 a Mode 5745MHz.

801.11a U-NII-3: 5745 MHz	
Voltage vs. Frequency Stability	
Voltage (V)	Measurement Frequency (MHz)
4.5	5745.0300
5	5745.0200
5.5	5744.0500
Limit Range (MHz)	5725-5850
Result	PASS
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5745.0600
10	5745.0400
20	5745.0500
30	5745.0400
40	5745.0300
50	5745.0100
Limit Range (MHz)	5725-5850
Result	PASS

8. Duty Cycle

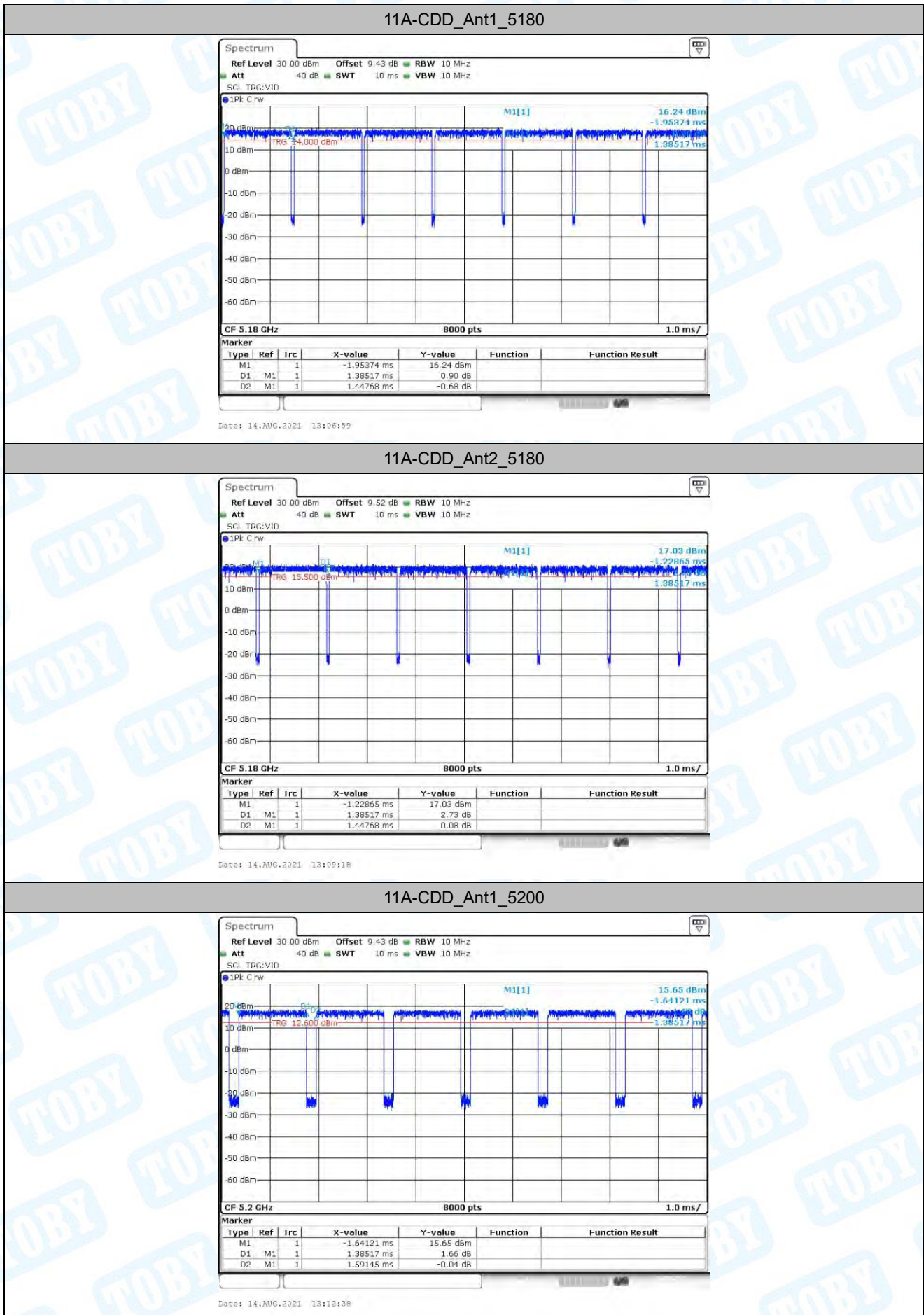
8.1. Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T Min. VBW(KHz)	Limit	Verdict
11A-CDD	Ant1	5180	1.39	1.45	95.86	0.72	---	PASS
	Ant2	5180	1.39	1.45	95.86	0.72	---	PASS
	Ant1	5200	1.39	1.59	87.42	0.72	---	PASS
	Ant2	5200	1.38	1.59	86.79	0.72	---	PASS
	Ant1	5240	1.39	1.45	95.86	0.72	---	PASS
	Ant2	5240	1.39	1.45	95.86	0.72	---	PASS
	Ant1	5260	1.39	1.45	95.86	0.72	---	PASS
	Ant2	5260	1.39	1.45	95.86	0.72	---	PASS
	Ant1	5280	1.39	1.45	95.86	0.72	---	PASS
	Ant2	5280	1.39	1.45	95.86	0.72	---	PASS
	Ant1	5320	1.39	1.45	95.86	0.72	---	PASS
	Ant2	5320	1.39	1.45	95.86	0.72	---	PASS
	Ant1	5500	1.39	1.45	95.86	0.72	---	PASS
	Ant2	5500	1.39	1.45	95.86	0.72	---	PASS
	Ant1	5580	1.39	1.45	95.86	0.72	---	PASS
	Ant2	5580	1.39	1.45	95.86	0.72	---	PASS
	Ant1	5700	1.39	1.45	95.86	0.72	---	PASS
	Ant2	5700	1.39	1.45	95.86	0.72	---	PASS
	Ant1	5745	1.39	1.59	87.42	0.72	---	PASS
	Ant2	5745	1.39	1.59	87.42	0.72	---	PASS
	Ant1	5785	1.39	1.45	95.86	0.72	---	PASS
	Ant2	5785	1.39	1.45	95.86	0.72	---	PASS
	Ant1	5825	1.39	1.45	95.86	0.72	---	PASS
	Ant2	5825	1.39	1.45	95.86	0.72	---	PASS
11N20MIMO	Ant1	5180	1.30	1.36	95.59	0.77	---	PASS
	Ant2	5180	1.30	1.36	95.59	0.77	---	PASS
	Ant1	5200	1.30	1.36	95.59	0.77	---	PASS
	Ant2	5200	1.30	1.36	95.59	0.77	---	PASS
	Ant1	5240	1.30	1.36	95.59	0.77	---	PASS
	Ant2	5240	1.30	1.36	95.59	0.77	---	PASS
	Ant1	5260	1.30	1.36	95.59	0.77	---	PASS
	Ant2	5260	1.30	1.36	95.59	0.77	---	PASS
	Ant1	5280	1.30	1.36	95.59	0.77	---	PASS
	Ant2	5280	1.30	1.36	95.59	0.77	---	PASS
	Ant1	5320	1.30	1.36	95.59	0.77	---	PASS
	Ant2	5320	1.30	1.36	95.59	0.77	---	PASS
	Ant1	5500	1.30	1.36	95.59	0.77	---	PASS
	Ant2	5500	1.30	1.36	95.59	0.77	---	PASS
	Ant1	5580	1.30	1.36	95.59	0.77	---	PASS
	Ant2	5580	1.30	1.36	95.59	0.77	---	PASS

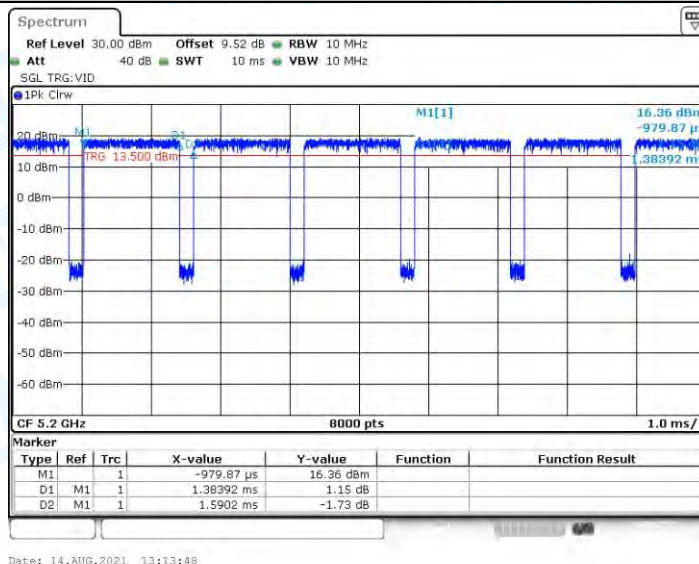
	Ant1	5700	1.30	1.36	95.59	0.77	---	PASS
	Ant2	5700	1.30	1.36	95.59	0.77	---	PASS
	Ant1	5745	1.30	1.36	95.59	0.77	---	PASS
	Ant2	5745	1.30	1.36	95.59	0.77	---	PASS
	Ant1	5785	1.30	1.36	95.59	0.77	---	PASS
	Ant2	5785	1.30	1.36	95.59	0.77	---	PASS
	Ant1	5825	1.30	1.36	95.59	0.77	---	PASS
	Ant2	5825	1.30	1.36	95.59	0.77	---	PASS
11N40MIMO	Ant1	5190	0.64	0.70	91.43	1.56	---	PASS
	Ant2	5190	0.64	0.70	91.43	1.56	---	PASS
	Ant1	5230	0.64	0.70	91.43	1.56	---	PASS
	Ant2	5230	0.64	0.70	91.43	1.56	---	PASS
	Ant1	5270	0.64	0.70	91.43	1.56	---	PASS
	Ant2	5270	0.64	0.70	91.43	1.56	---	PASS
	Ant1	5310	0.64	0.70	91.43	1.56	---	PASS
	Ant2	5310	0.64	0.70	91.43	1.56	---	PASS
	Ant1	5510	0.64	0.70	91.43	1.56	---	PASS
	Ant2	5510	0.64	0.70	91.43	1.56	---	PASS
	Ant1	5550	0.64	0.70	91.43	1.56	---	PASS
	Ant2	5550	0.64	0.70	91.43	1.56	---	PASS
	Ant1	5670	0.64	0.70	91.43	1.56	---	PASS
	Ant2	5670	0.64	0.70	91.43	1.56	---	PASS
	Ant1	5755	0.64	0.70	91.43	1.56	---	PASS
	Ant2	5755	0.64	0.70	91.43	1.56	---	PASS
	Ant1	5795	0.64	0.70	91.43	1.56	---	PASS
	Ant2	5795	0.64	0.70	91.43	1.56	---	PASS
11AC20MIMO	Ant1	5180	0.68	0.74	91.89	1.47	---	PASS
	Ant2	5180	0.68	0.74	91.89	1.47	---	PASS
	Ant1	5200	0.68	0.74	91.89	1.47	---	PASS
	Ant2	5200	0.68	0.74	91.89	1.47	---	PASS
	Ant1	5240	0.68	0.74	91.89	1.47	---	PASS
	Ant2	5240	0.68	0.74	91.89	1.47	---	PASS
	Ant1	5260	0.68	0.74	91.89	1.47	---	PASS
	Ant2	5260	0.68	0.74	91.89	1.47	---	PASS
	Ant1	5280	0.68	0.74	91.89	1.47	---	PASS
	Ant2	5280	0.68	0.74	91.89	1.47	---	PASS
	Ant1	5320	0.68	0.74	91.89	1.47	---	PASS
	Ant2	5320	0.68	0.74	91.89	1.47	---	PASS
	Ant1	5500	0.68	0.74	91.89	1.47	---	PASS
	Ant2	5500	0.68	0.74	91.89	1.47	---	PASS
	Ant1	5580	0.68	0.74	91.89	1.47	---	PASS
	Ant2	5580	0.68	0.74	91.89	1.47	---	PASS
	Ant1	5700	0.68	0.74	91.89	1.47	---	PASS
	Ant2	5700	0.68	0.74	91.89	1.47	---	PASS
	Ant1	5745	0.68	0.74	91.89	1.47	---	PASS
	Ant2	5745	0.68	0.74	91.89	1.47	---	PASS

	Ant1	5785	0.68	0.74	91.89	1.47	---	PASS
	Ant2	5785	0.68	0.74	91.89	1.47	---	PASS
	Ant1	5825	0.68	0.74	91.89	1.47	---	PASS
	Ant2	5825	0.68	0.74	91.89	1.47	---	PASS
11AC40MIMO	Ant1	5190	0.35	0.41	85.37	2.86	---	PASS
	Ant2	5190	0.35	0.41	85.37	2.86	---	PASS
	Ant1	5230	0.35	0.41	85.37	2.86	---	PASS
	Ant2	5230	0.35	0.41	85.37	2.86	---	PASS
	Ant1	5270	0.35	0.41	85.37	2.86	---	PASS
	Ant2	5270	0.35	0.41	85.37	2.86	---	PASS
	Ant1	5310	0.35	0.41	85.37	2.86	---	PASS
	Ant2	5310	0.35	0.41	85.37	2.86	---	PASS
	Ant1	5510	0.35	0.41	85.37	2.86	---	PASS
	Ant2	5510	0.35	0.41	85.37	2.86	---	PASS
	Ant1	5550	0.35	0.41	85.37	2.86	---	PASS
	Ant2	5550	0.35	0.41	85.37	2.86	---	PASS
	Ant1	5670	0.35	0.41	85.37	2.86	---	PASS
	Ant2	5670	0.35	0.41	85.37	2.86	---	PASS
	Ant1	5755	0.35	0.55	63.64	2.86	---	PASS
	Ant2	5755	0.35	0.55	63.64	2.86	---	PASS
	Ant1	5795	0.35	0.41	85.37	2.86	---	PASS
	Ant2	5795	0.35	0.41	85.37	2.86	---	PASS
11AC80MIMO	Ant1	5210	0.18	0.25	72.00	5.56	---	PASS
	Ant2	5210	0.19	0.25	76.00	5.26	---	PASS
	Ant1	5290	0.19	0.25	76.00	5.26	---	PASS
	Ant2	5290	0.19	0.25	76.00	5.26	---	PASS
	Ant1	5530	0.18	0.25	72.00	5.56	---	PASS
	Ant2	5530	0.19	0.25	76.00	5.26	---	PASS
	Ant1	5610	0.18	0.25	72.00	5.56	---	PASS
	Ant2	5610	0.18	0.25	72.00	5.56	---	PASS
	Ant1	5775	0.18	0.25	72.00	5.56	---	PASS
	Ant2	5775	0.18	0.25	72.00	5.56	---	PASS

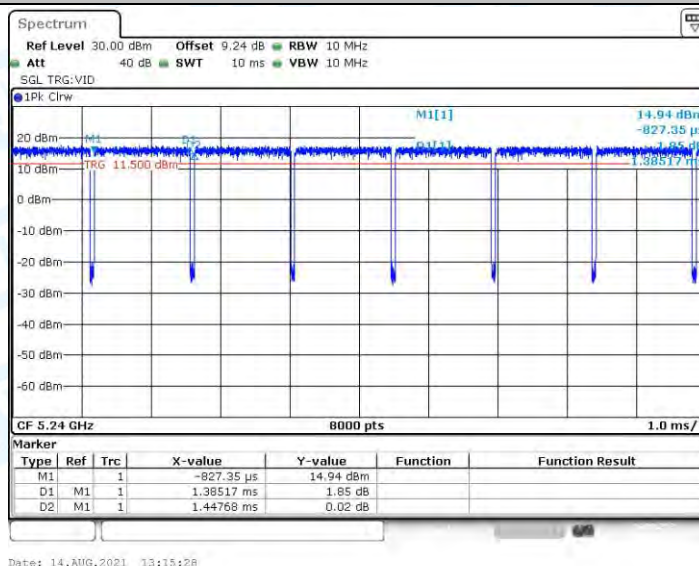
8.2.Test Graphs



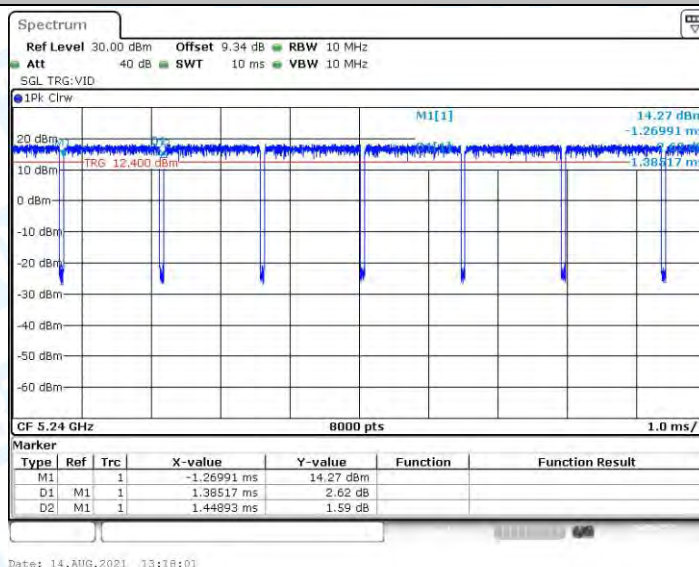
11A-CDD_Ant2_5200



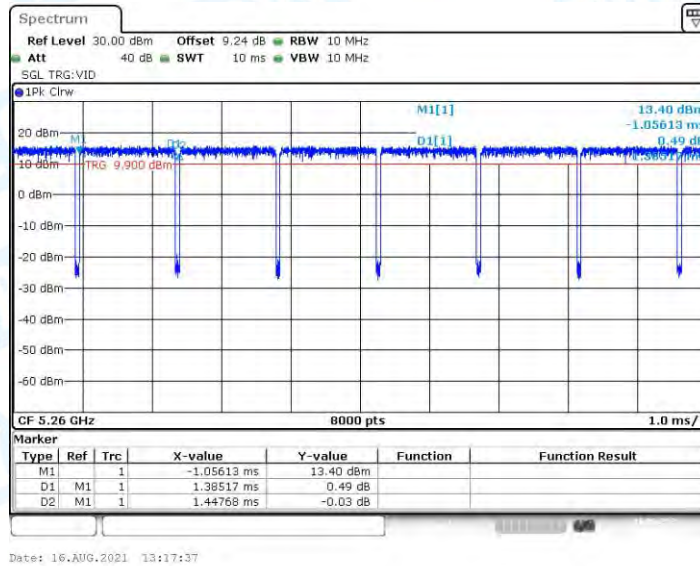
11A-CDD_Ant1_5240



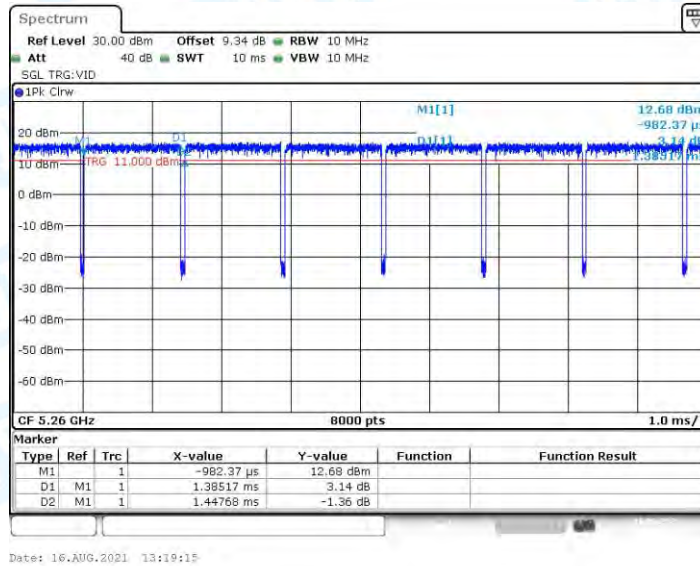
11A-CDD_Ant2_5240



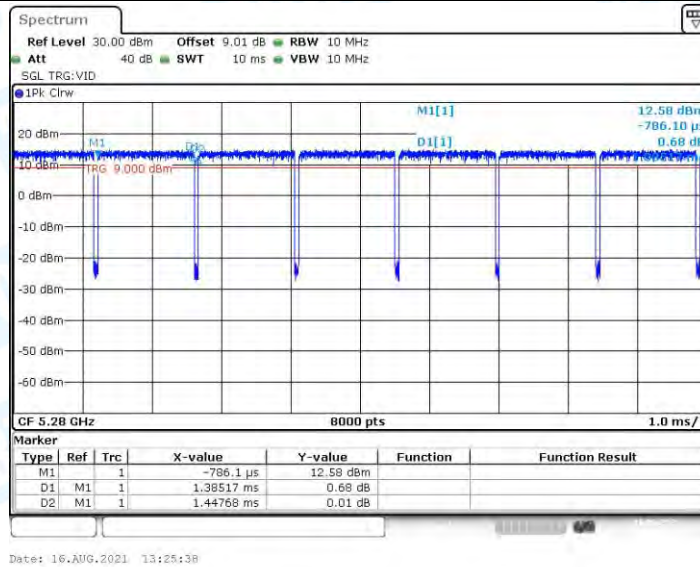
11A-CDD_Ant1_5260



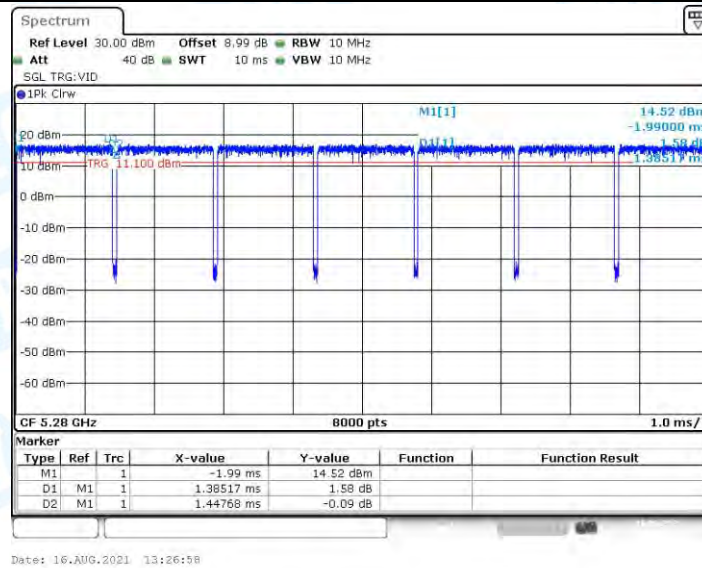
11A-CDD_Ant2_5260



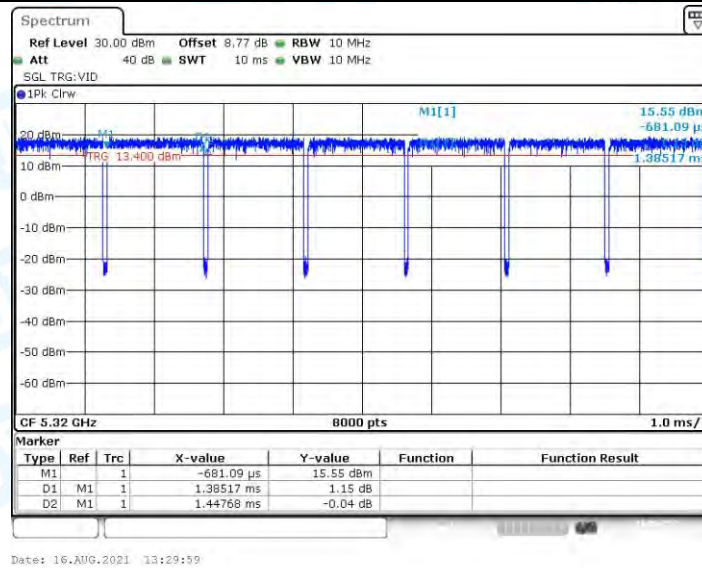
11A-CDD_Ant1_5280



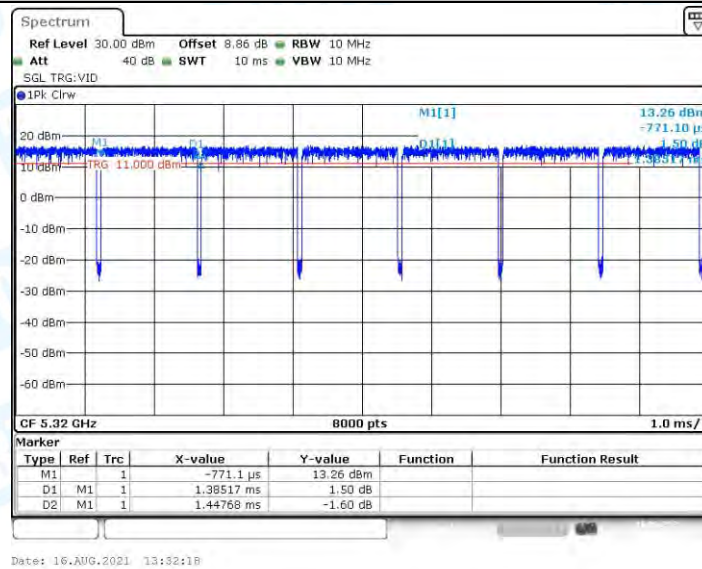
11A-CDD_Ant2_5280



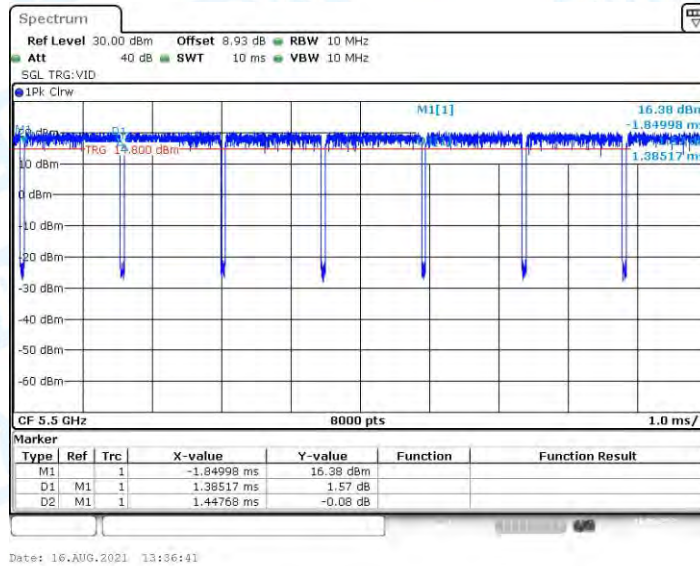
11A-CDD_Ant1_5320



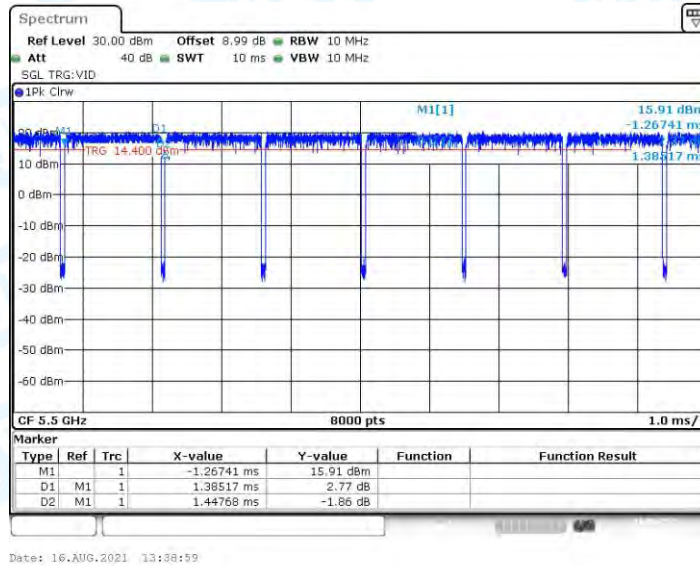
11A-CDD_Ant2_5320



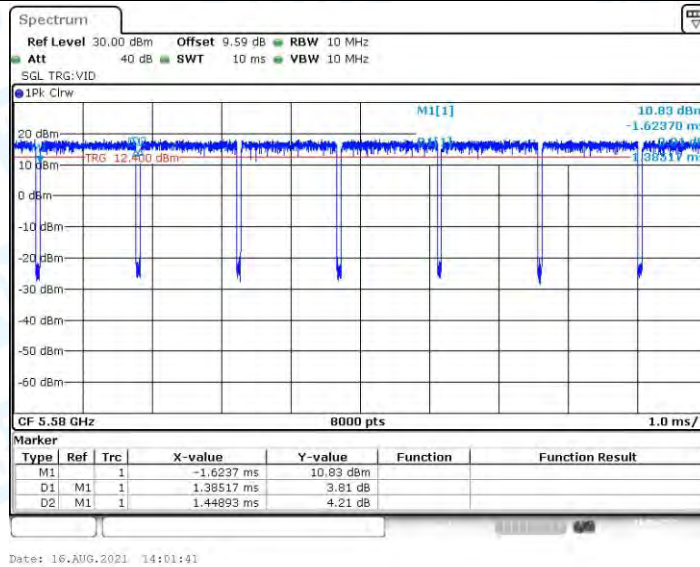
11A-CDD_Ant1_5500



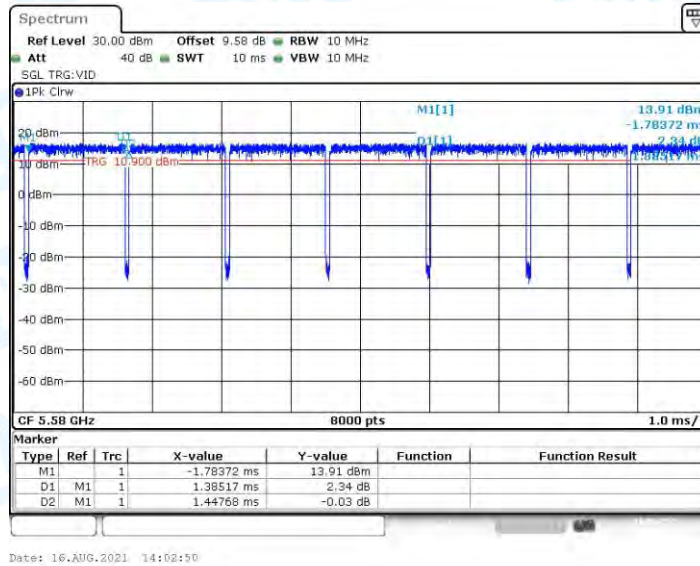
11A-CDD_Ant2_5500



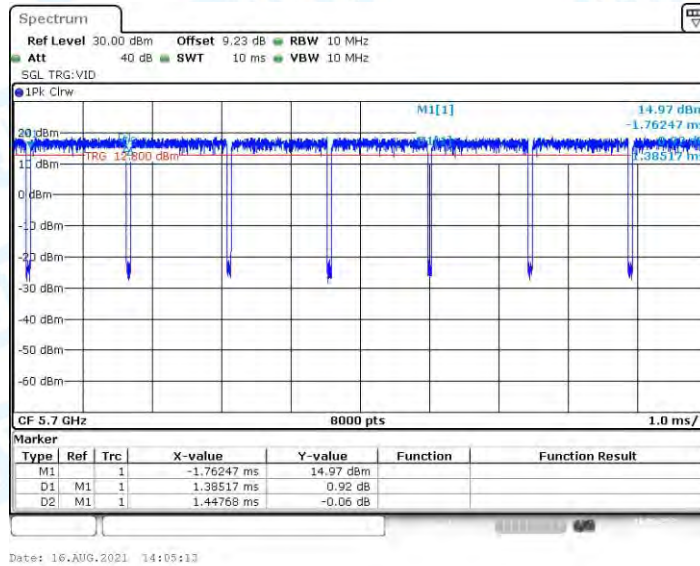
11A-CDD_Ant1_5580



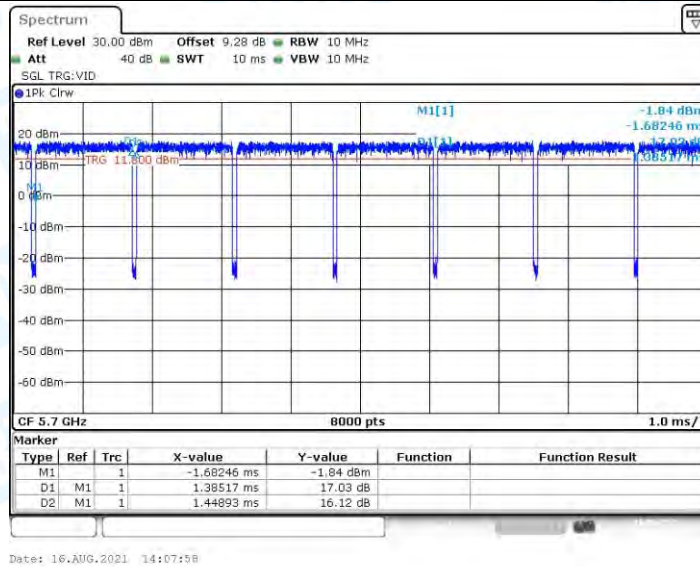
11A-CDD_Ant2_5580



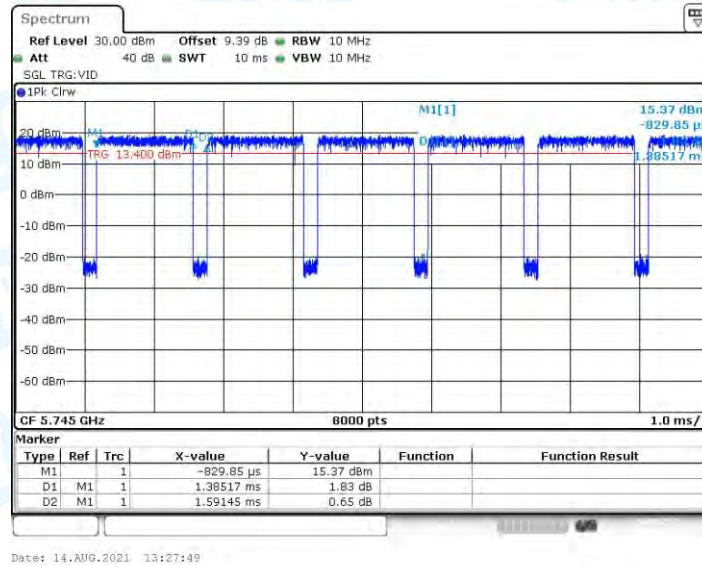
11A-CDD_Ant1_5700



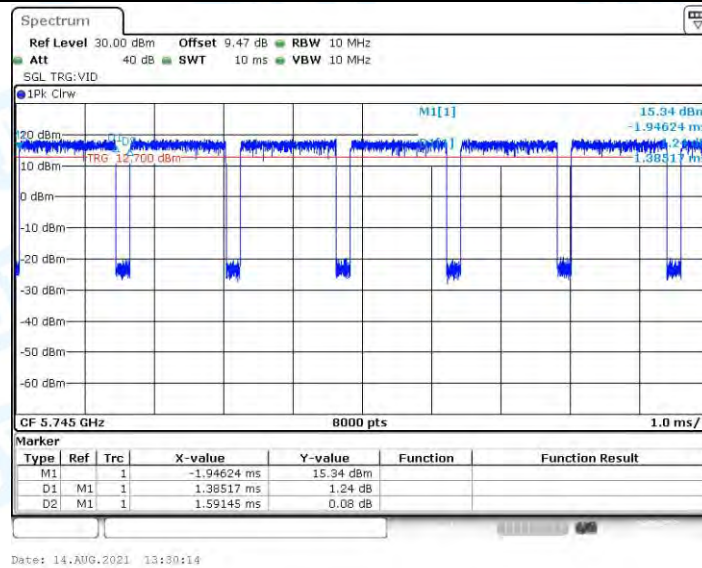
11A-CDD_Ant2_5700



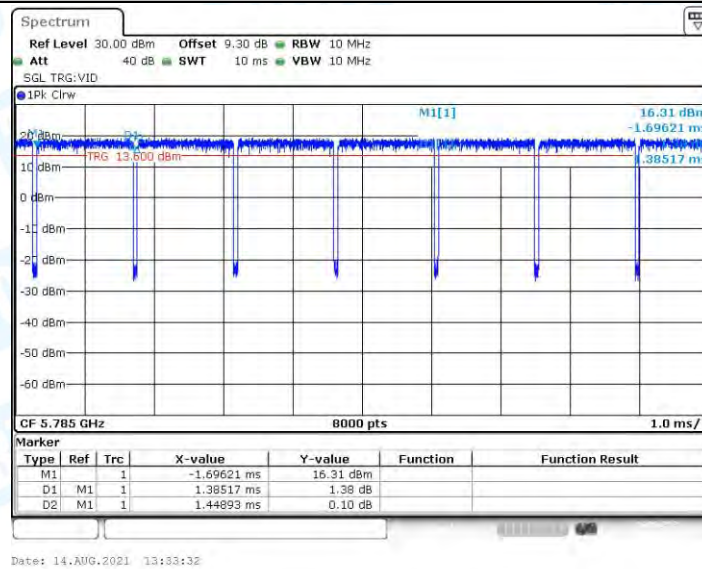
11A-CDD_Ant1_5745



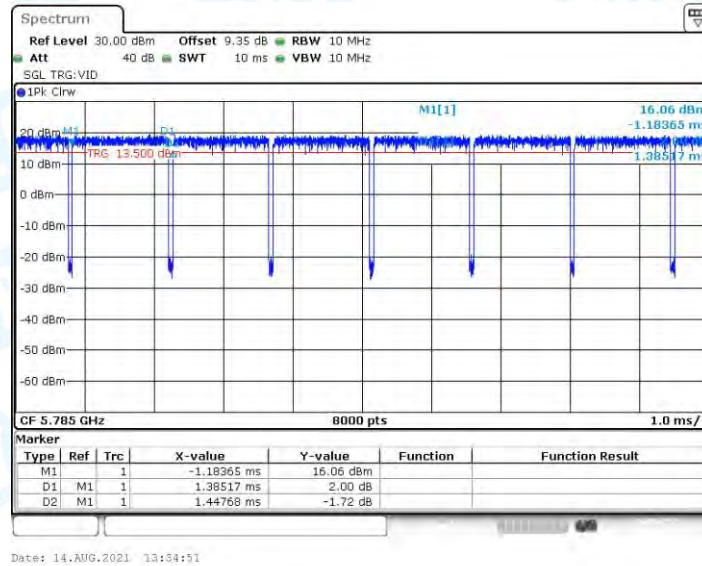
11A-CDD_Ant2_5745



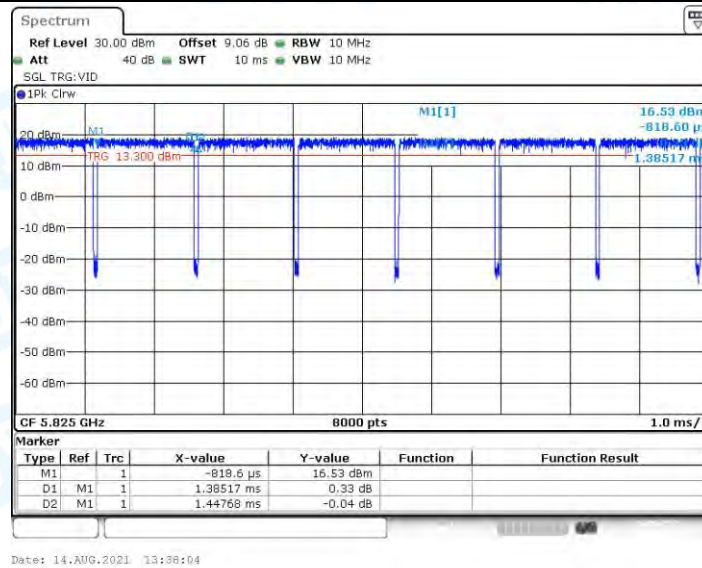
11A-CDD_Ant1_5785



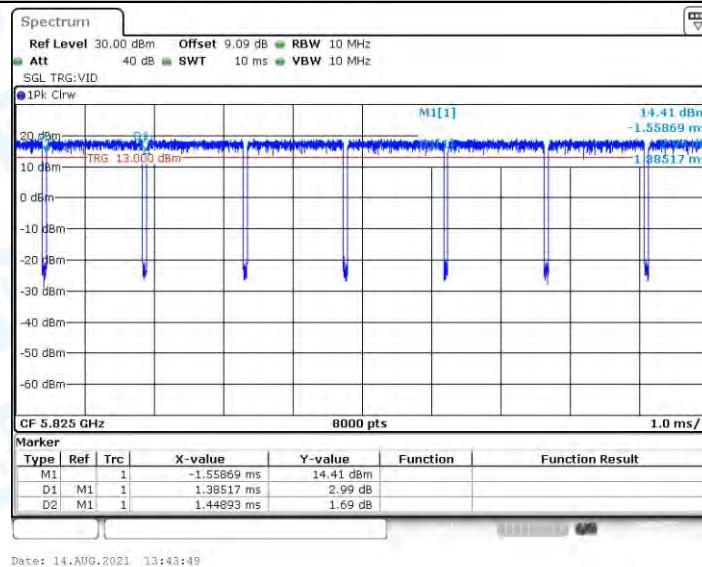
11A-CDD_Ant2_5785



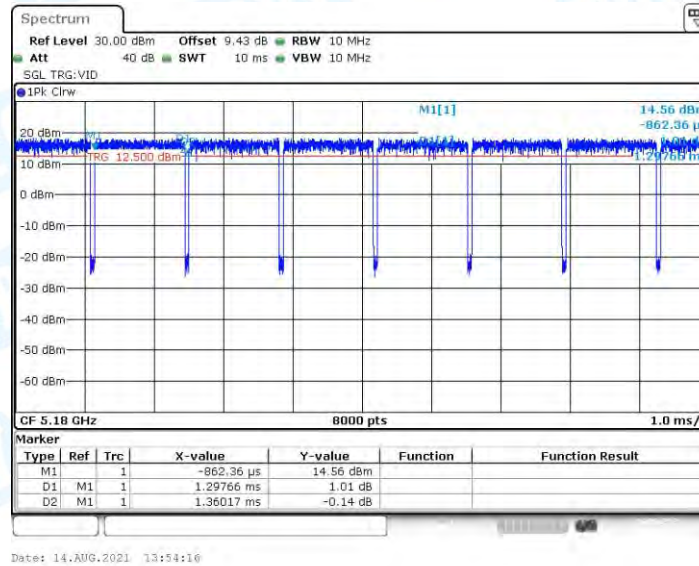
11A-CDD_Ant1_5825



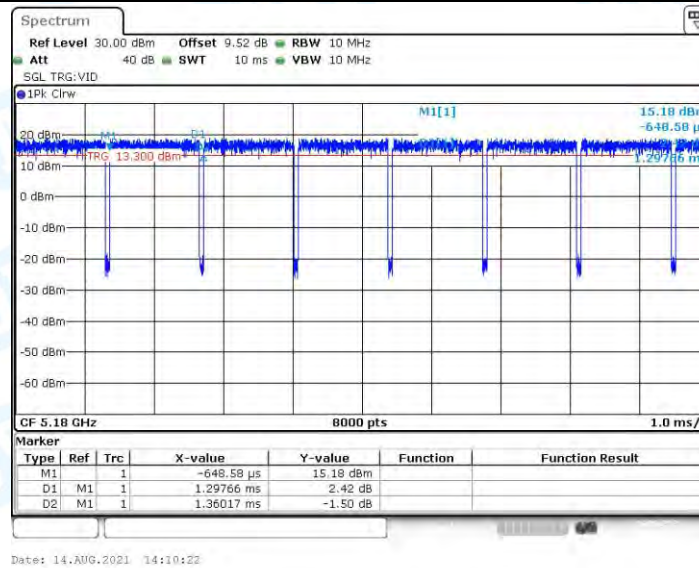
11A-CDD_Ant2_5825



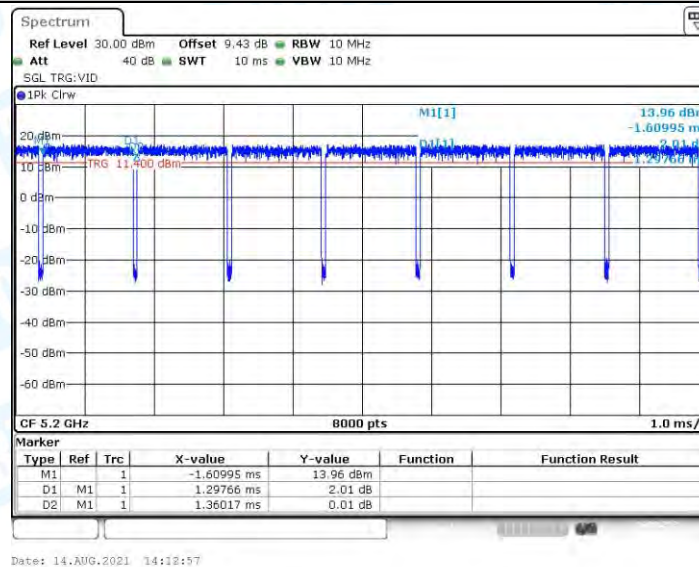
11N20MIMO_Ant1_5180



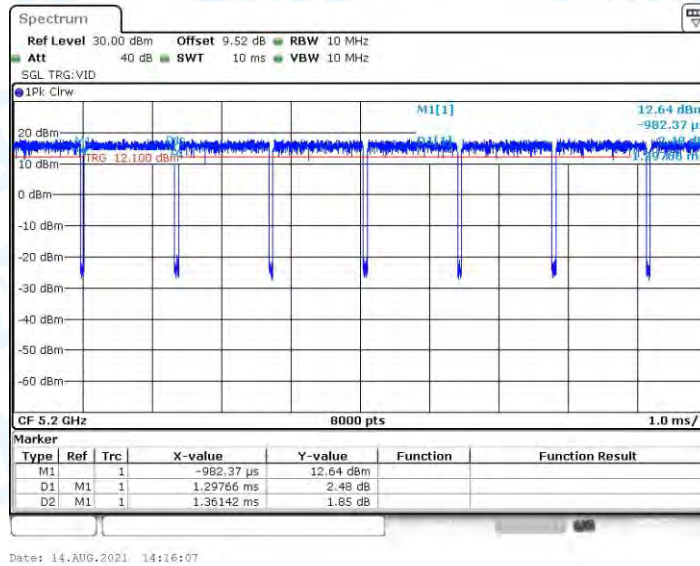
11N20MIMO_Ant2_5180



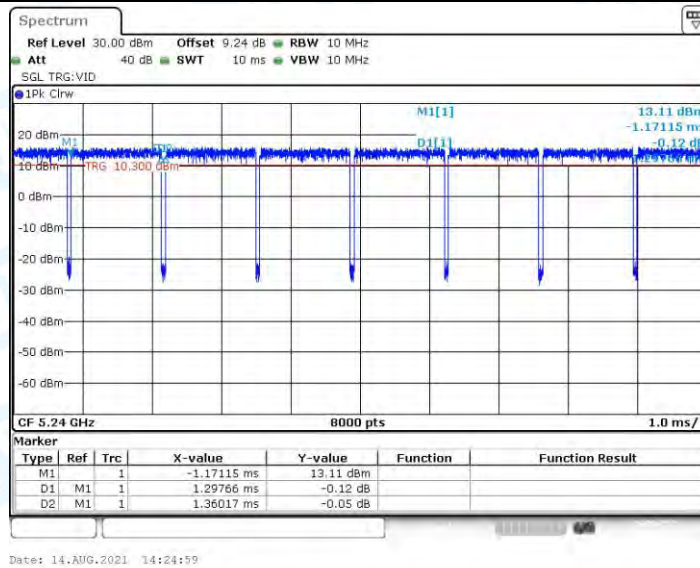
11N20MIMO_Ant1_5200



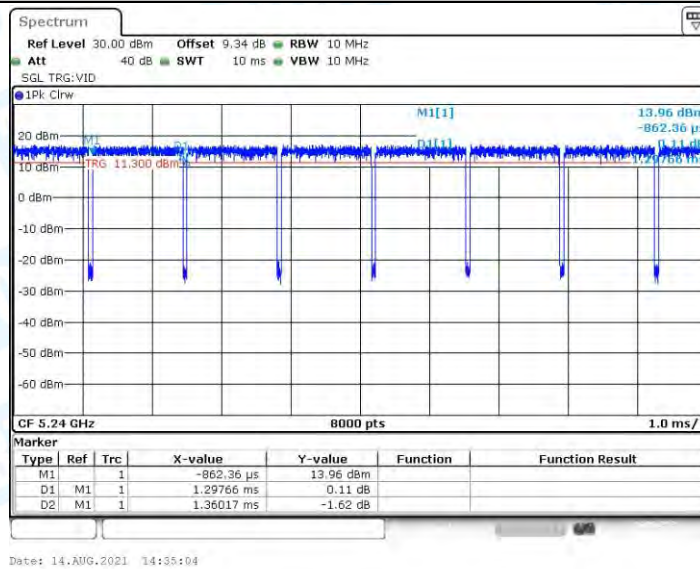
11N20MIMO_Ant2_5200



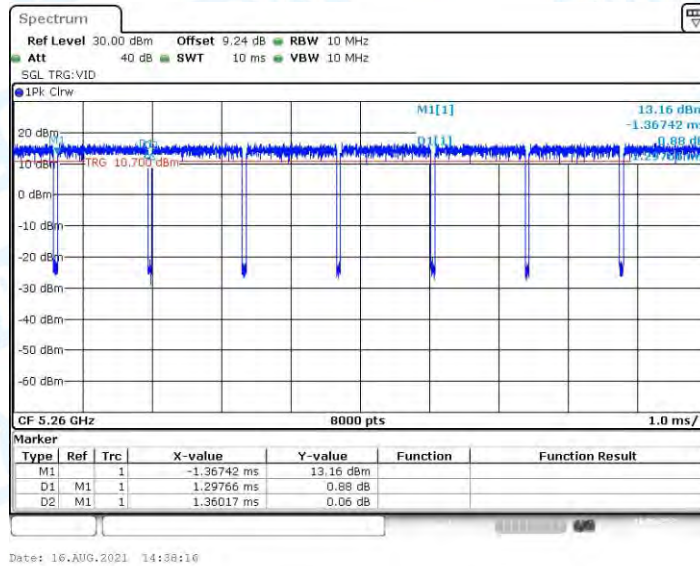
11N20MIMO_Ant1_5240



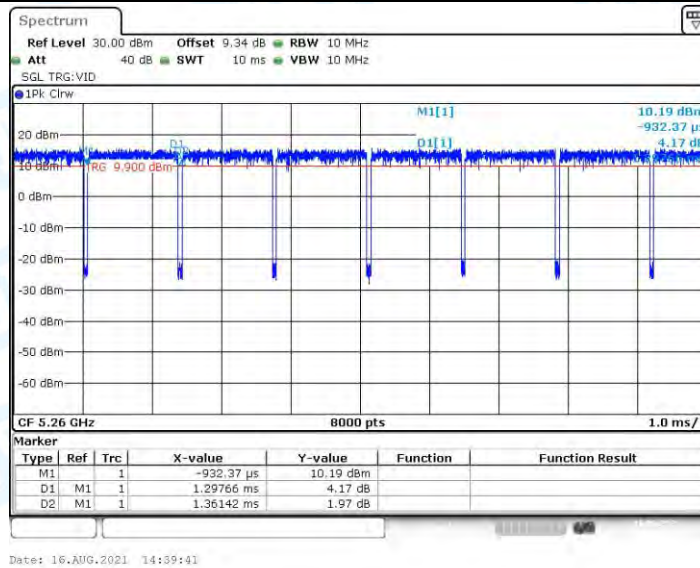
11N20MIMO_Ant2_5240



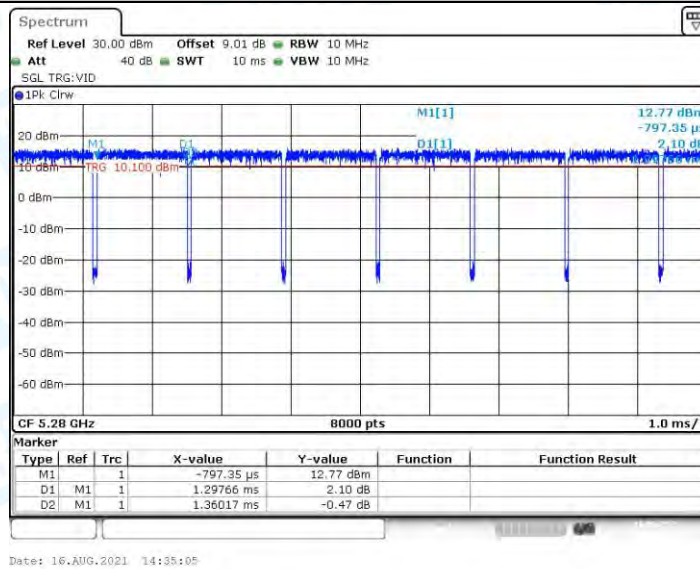
11N20MIMO_Ant1_5260



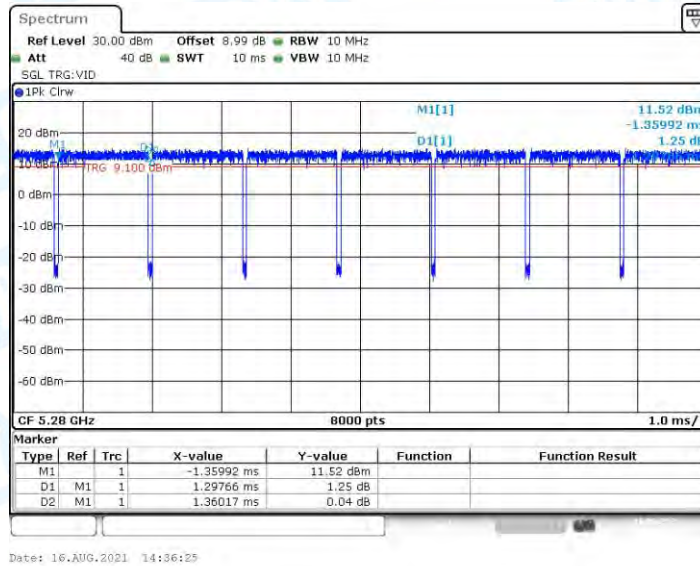
11N20MIMO_Ant2_5260



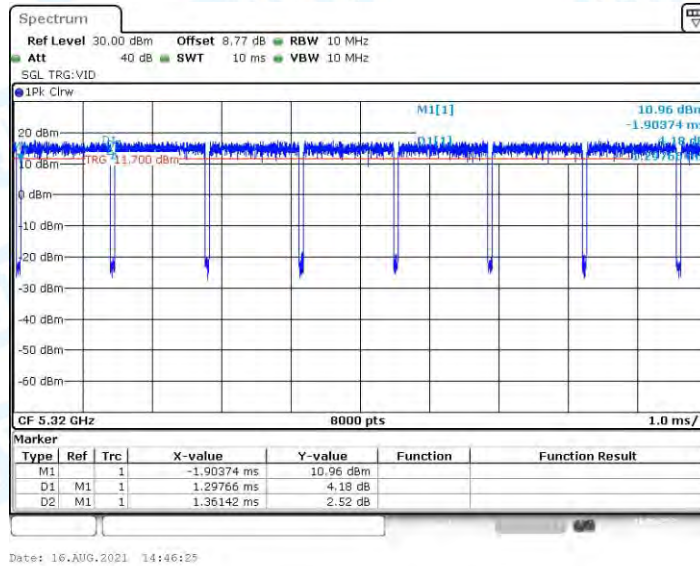
11N20MIMO_Ant1_5280



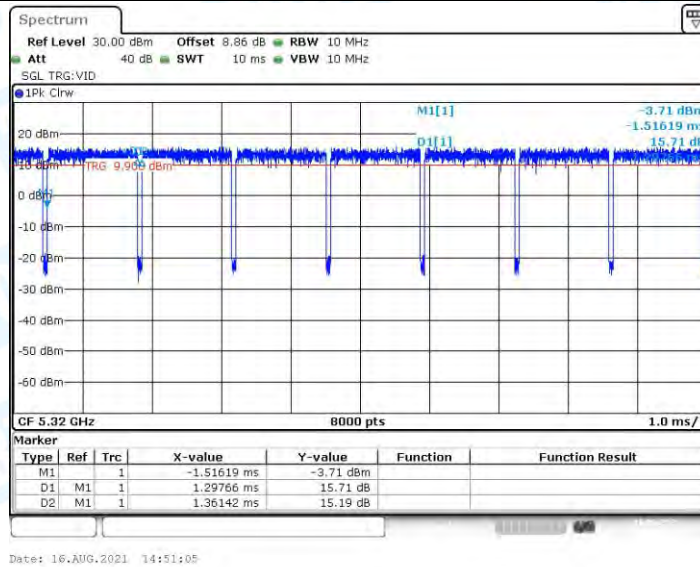
11N20MIMO_Ant2_5280



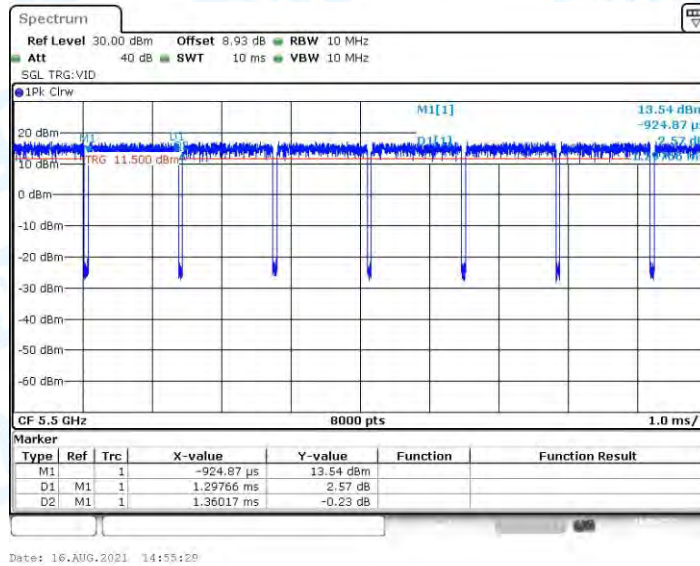
11N20MIMO_Ant1_5320



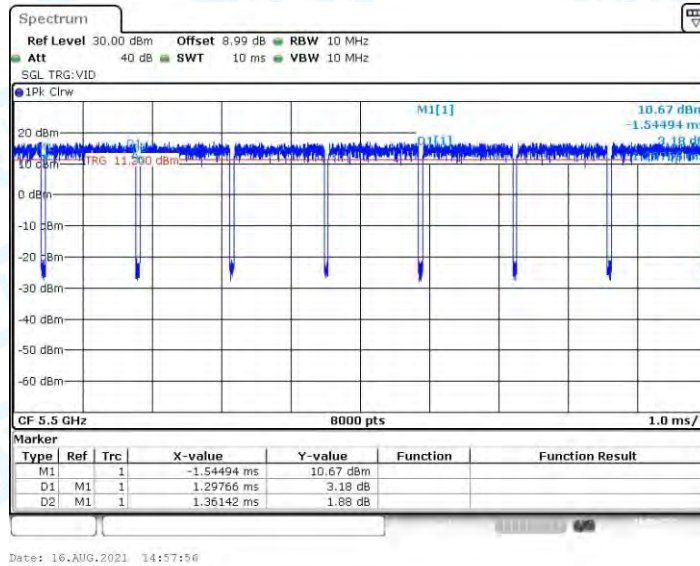
11N20MIMO_Ant2_5320



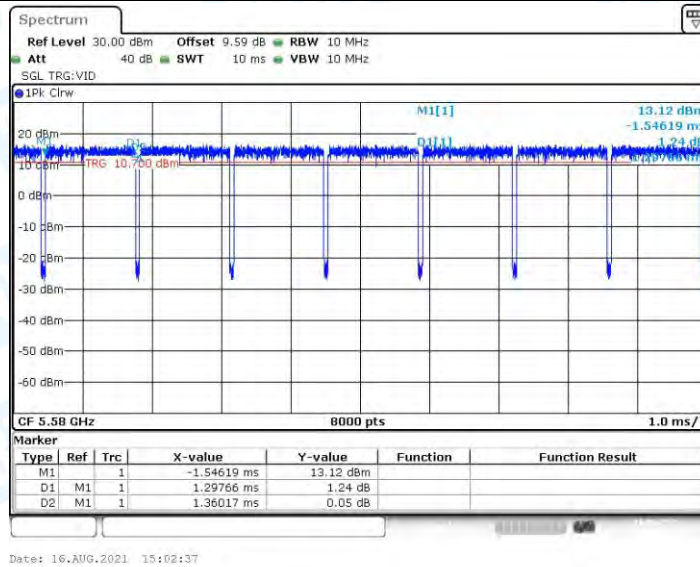
11N20MIMO_Ant1_5500



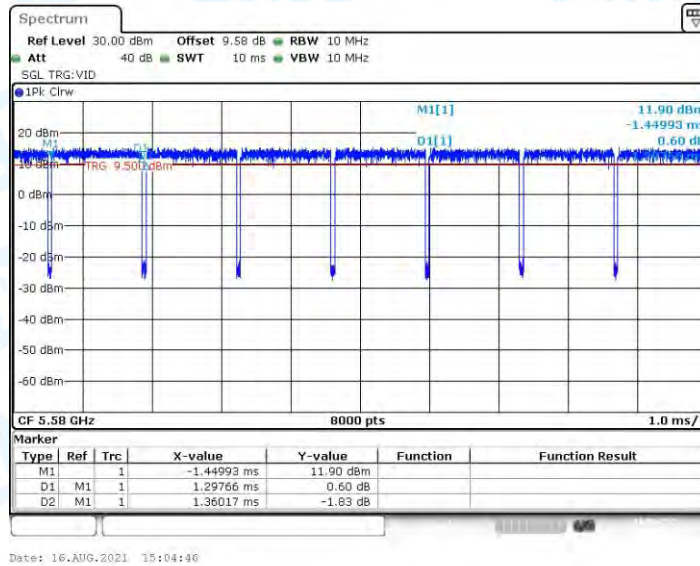
11N20MIMO_Ant2_5500



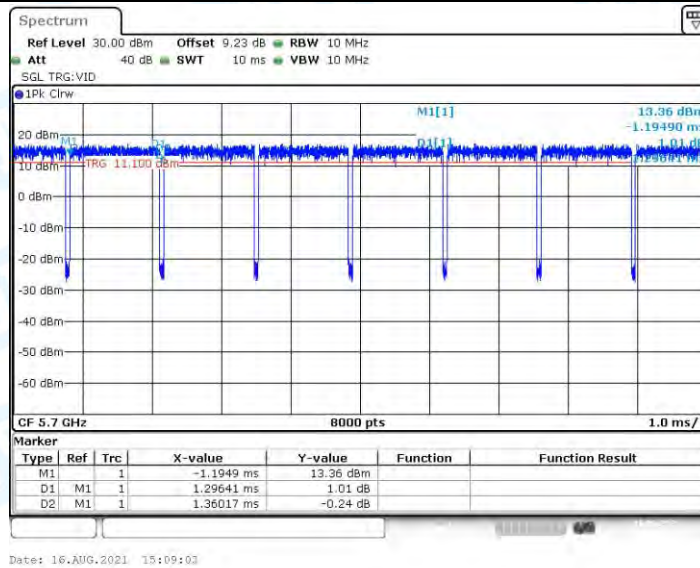
11N20MIMO_Ant1_5580



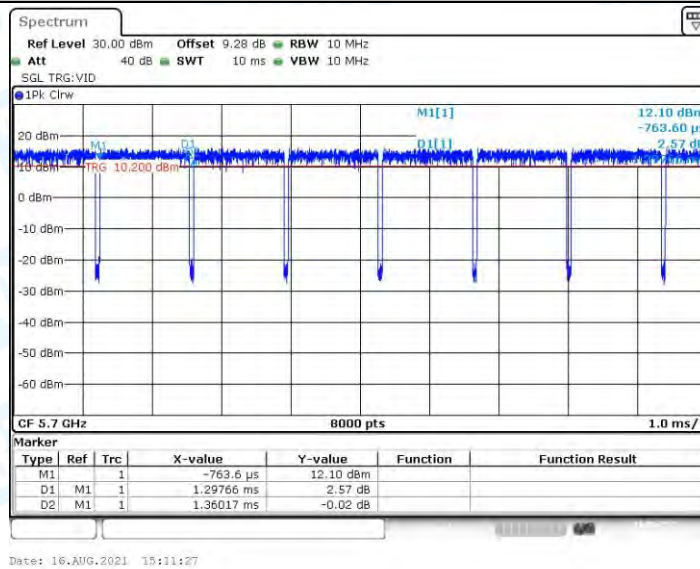
11N20MIMO_Ant2_5580



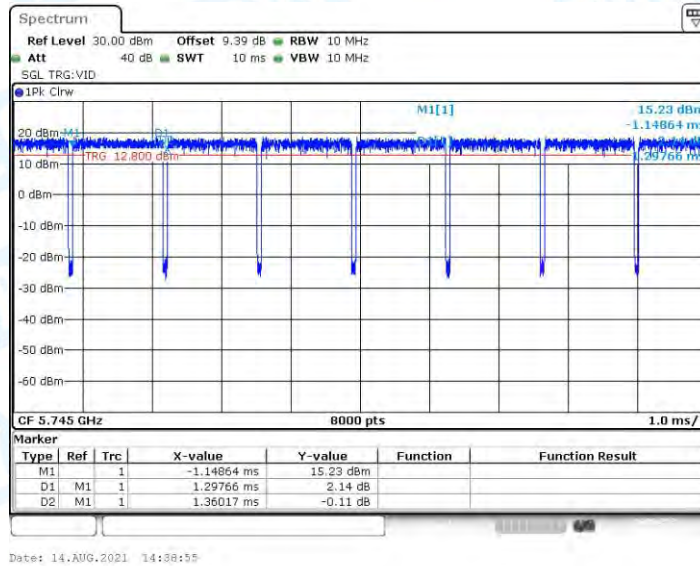
11N20MIMO_Ant1_5700



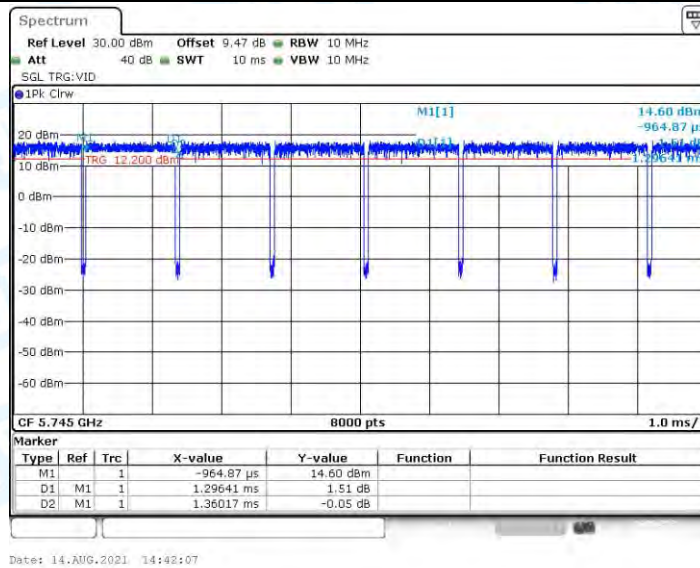
11N20MIMO_Ant2_5700



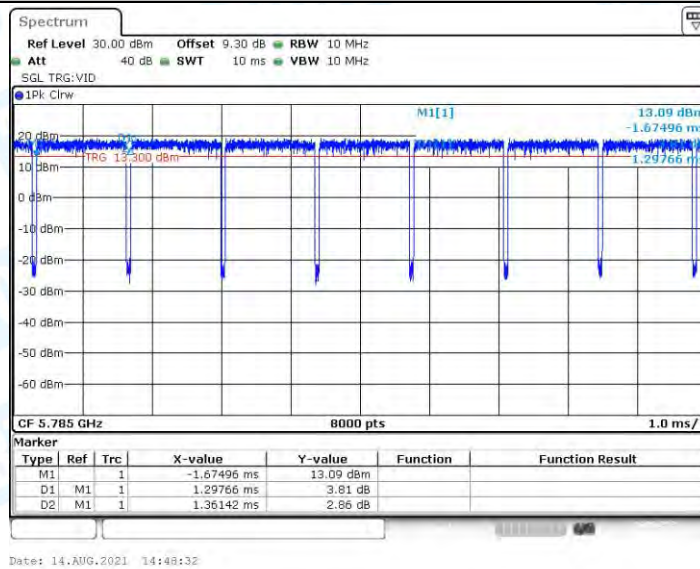
11N20MIMO_Ant1_5745



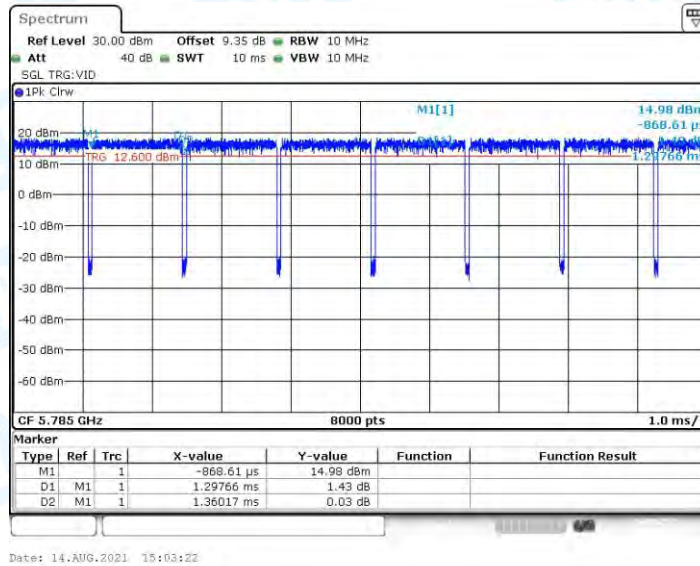
11N20MIMO_Ant2_5745



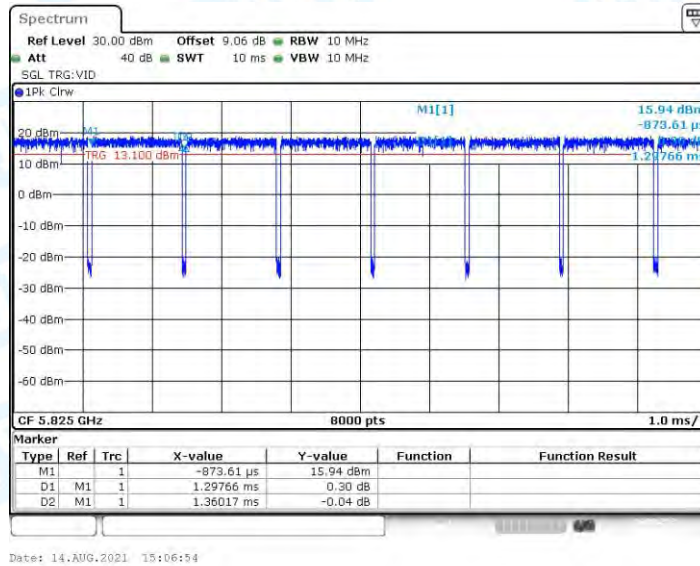
11N20MIMO_Ant1_5785



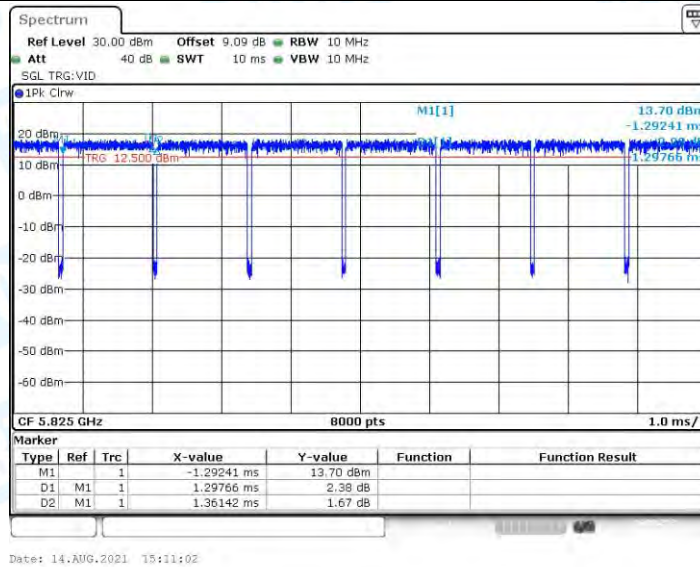
11N20MIMO_Ant2_5785



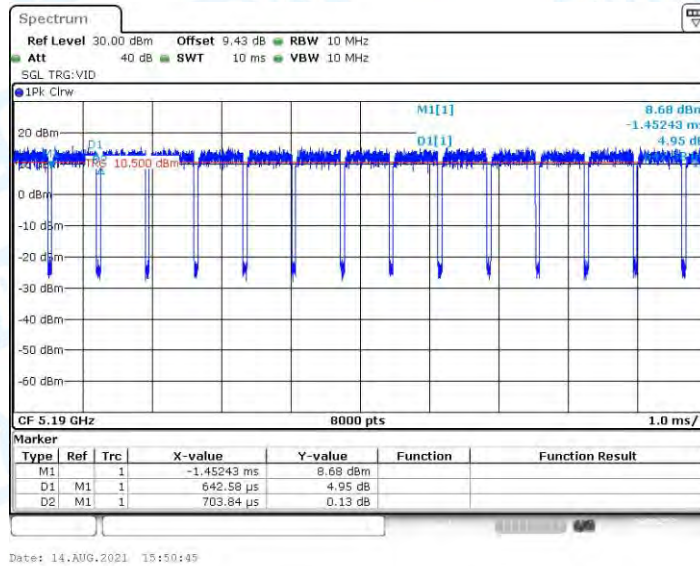
11N20MIMO_Ant1_5825



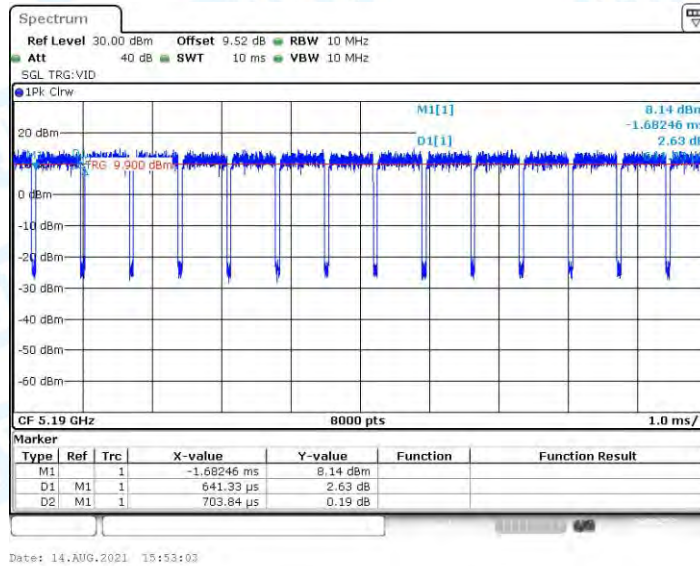
11N20MIMO_Ant2_5825



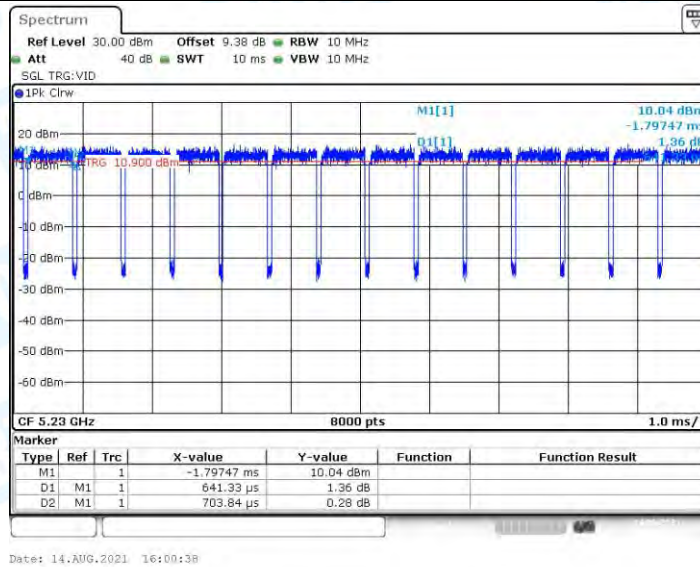
11N40MIMO_Ant1_5190



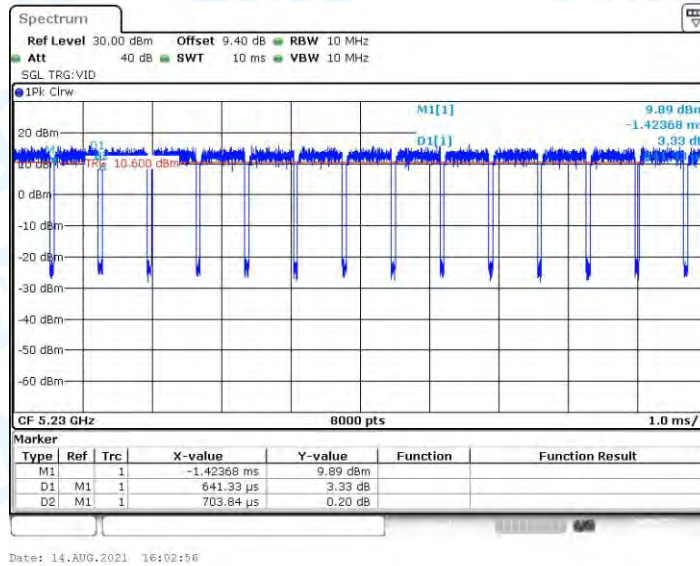
11N40MIMO_Ant2_5190



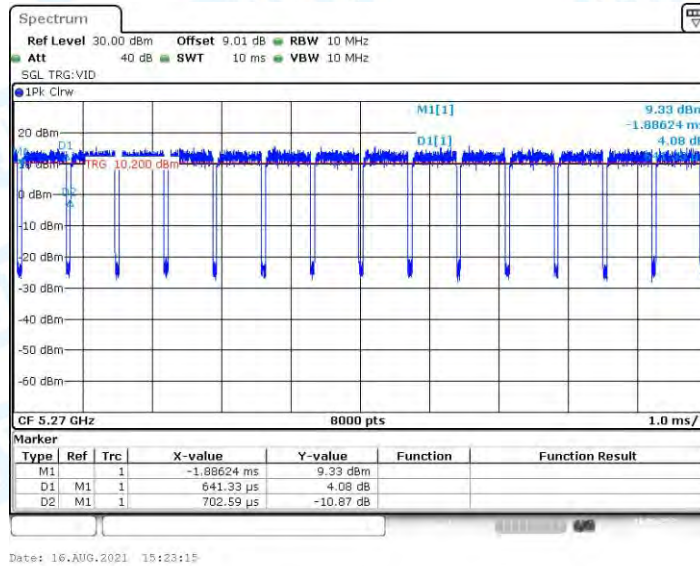
11N40MIMO_Ant1_5230



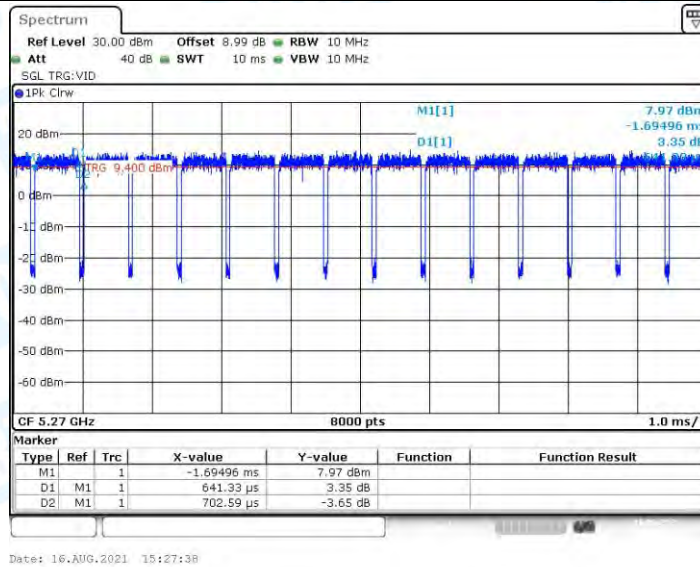
11N40MIMO_Ant2_5230



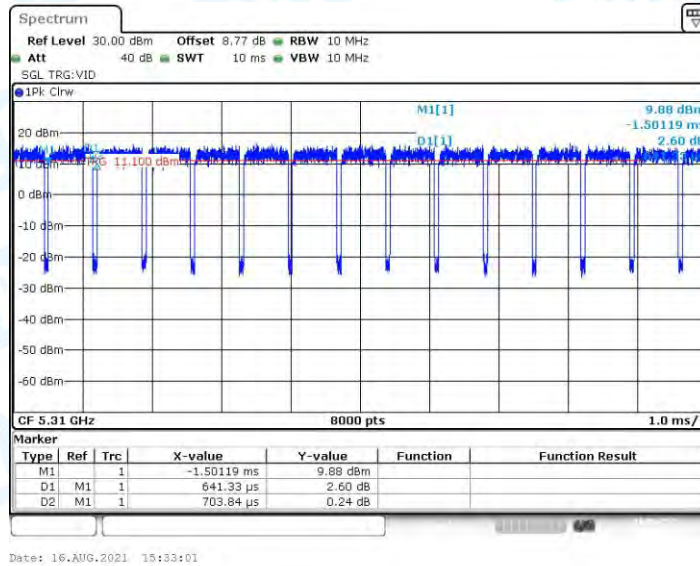
11N40MIMO_Ant1_5270



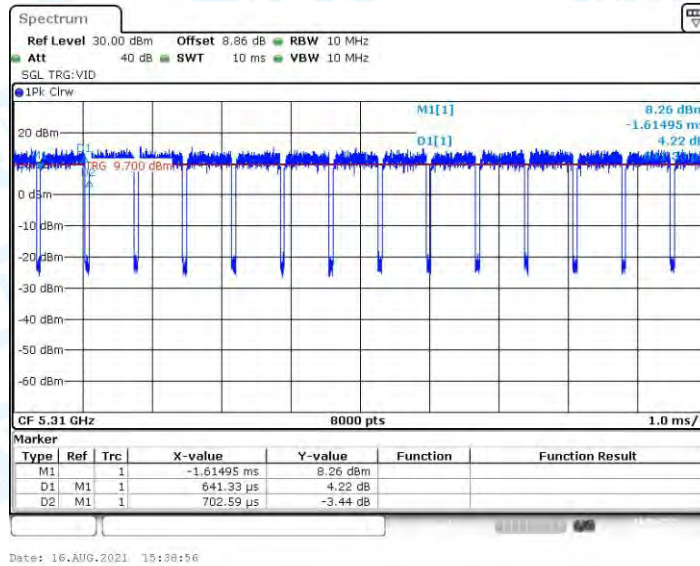
11N40MIMO_Ant2_5270



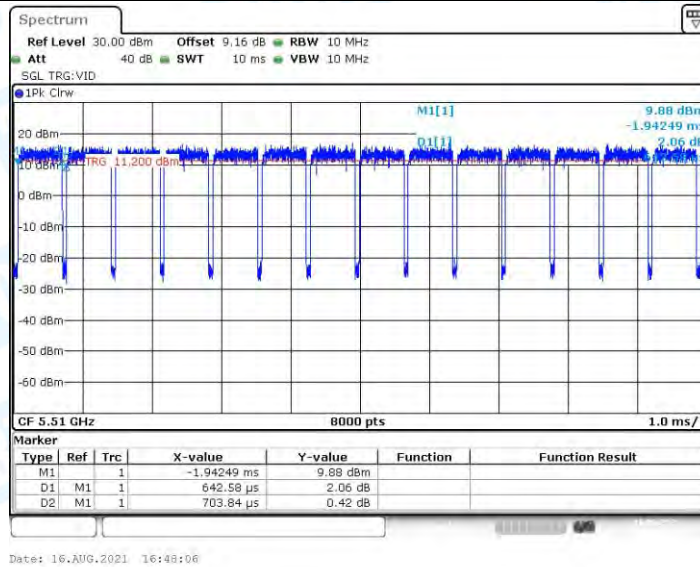
11N40MIMO_Ant1_5310



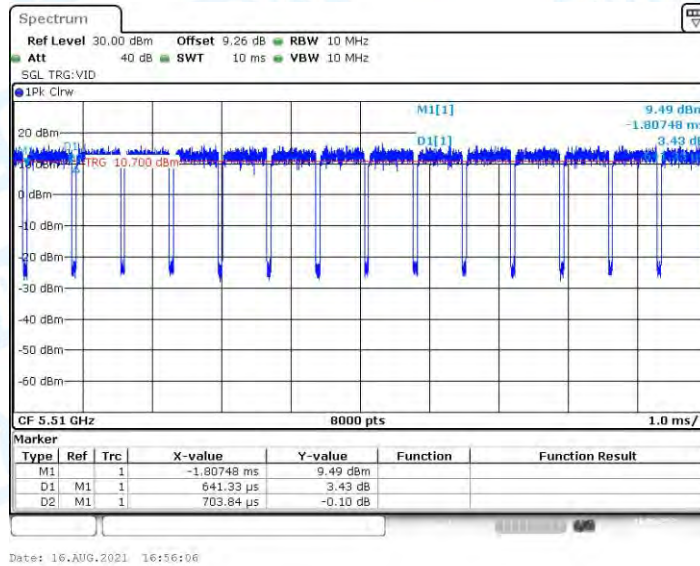
11N40MIMO_Ant2_5310



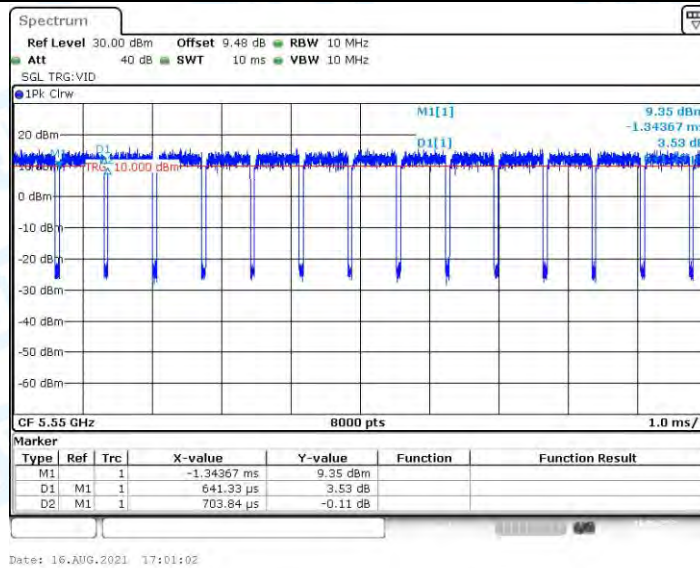
11N40MIMO_Ant1_5510



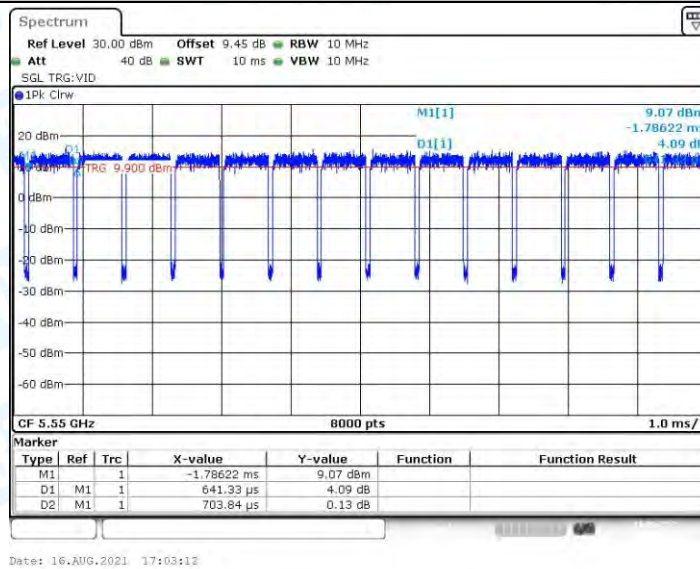
11N40MIMO_Ant2_5510



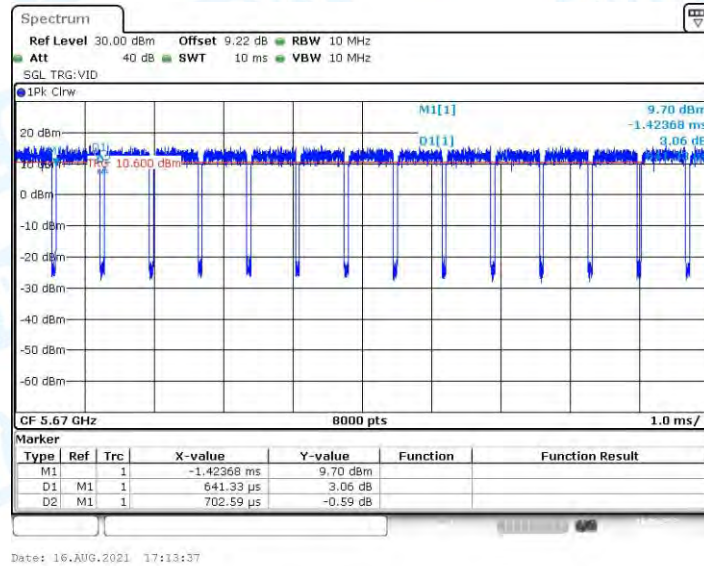
11N40MIMO_Ant1_5550



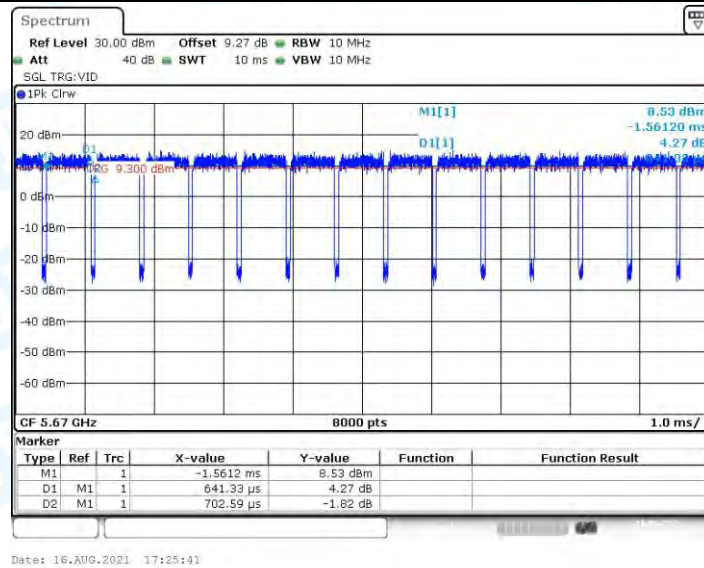
11N40MIMO_Ant2_5550



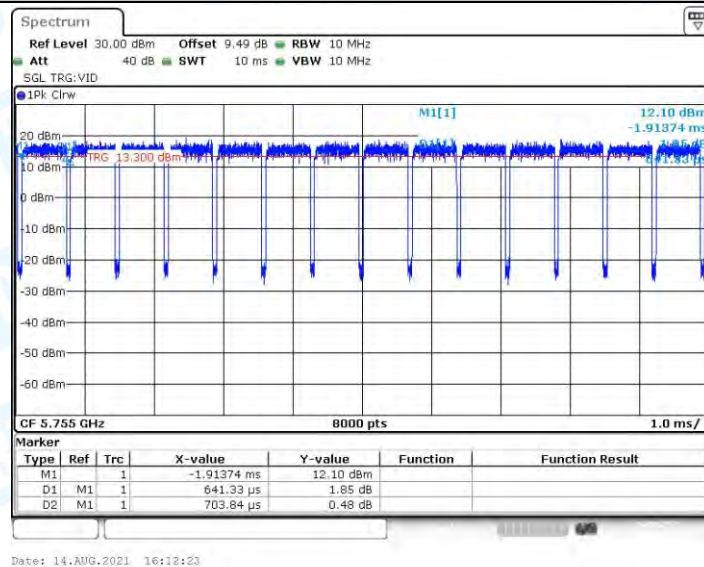
11N40MIMO_Ant1_5670



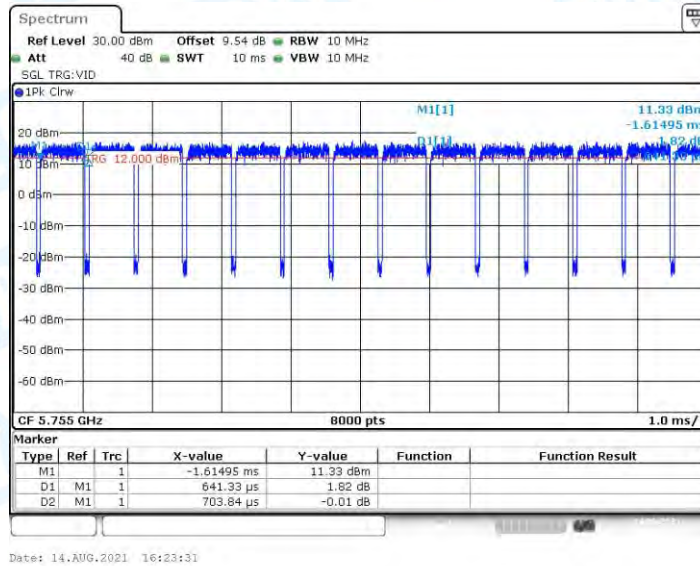
11N40MIMO_Ant2_5670



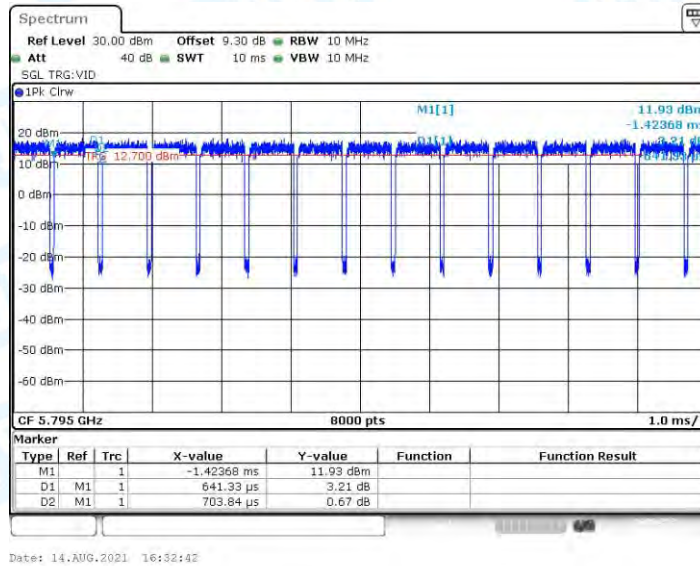
11N40MIMO_Ant1_5755



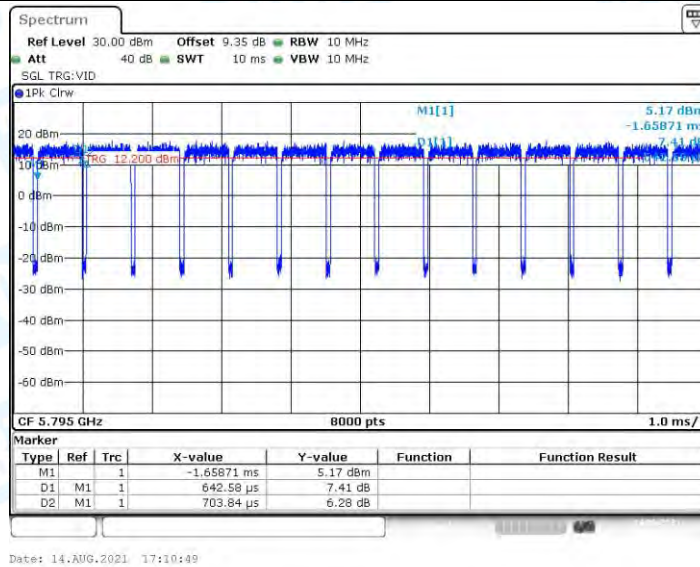
11N40MIMO_Ant2_5755



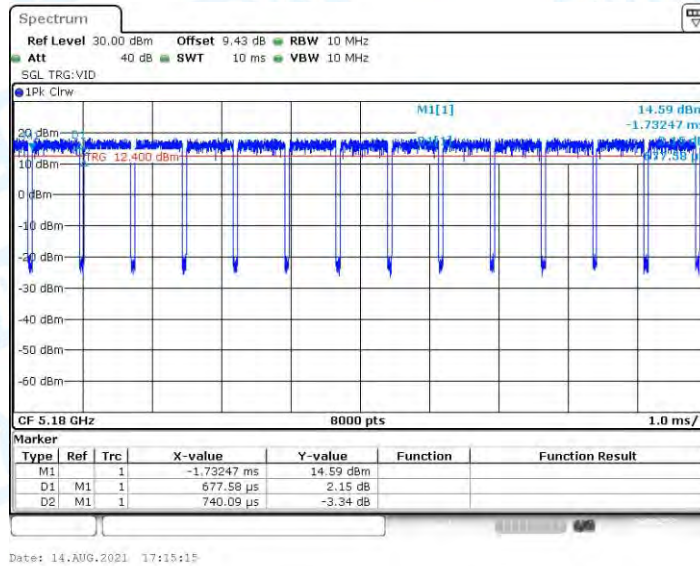
11N40MIMO_Ant1_5795



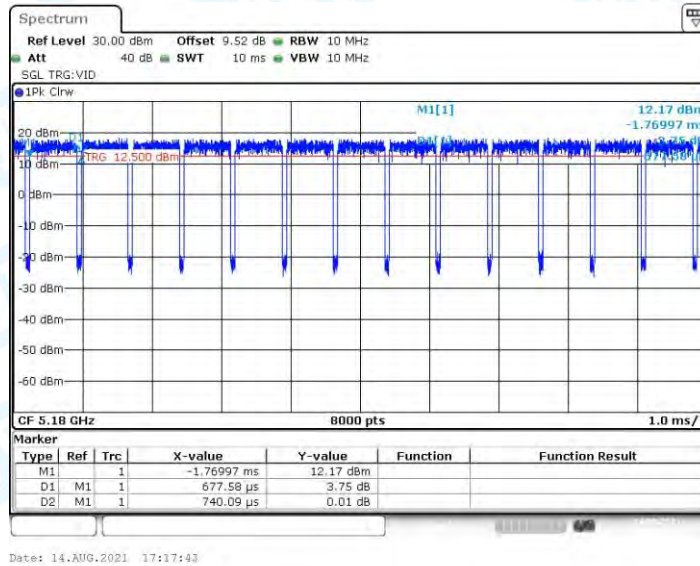
11N40MIMO_Ant2_5795



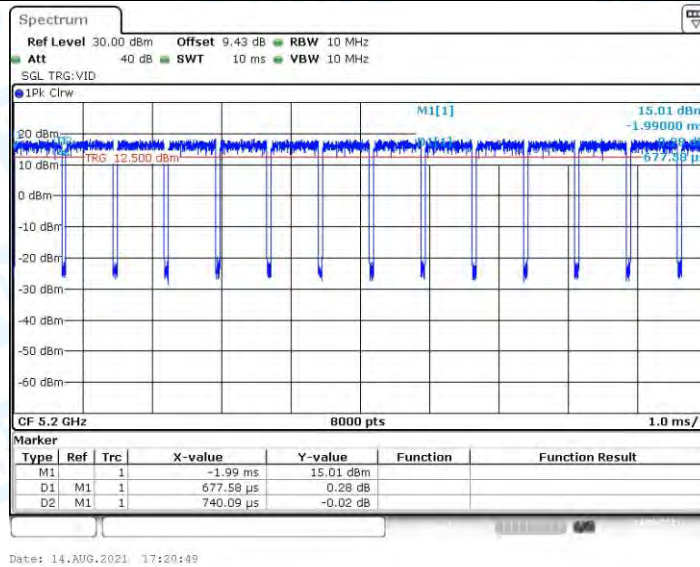
11AC20MIMO_Ant1_5180



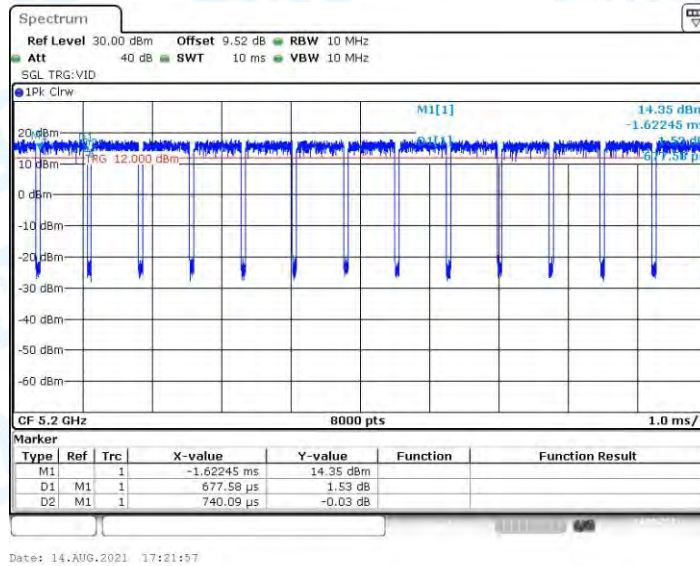
11AC20MIMO_Ant2_5180



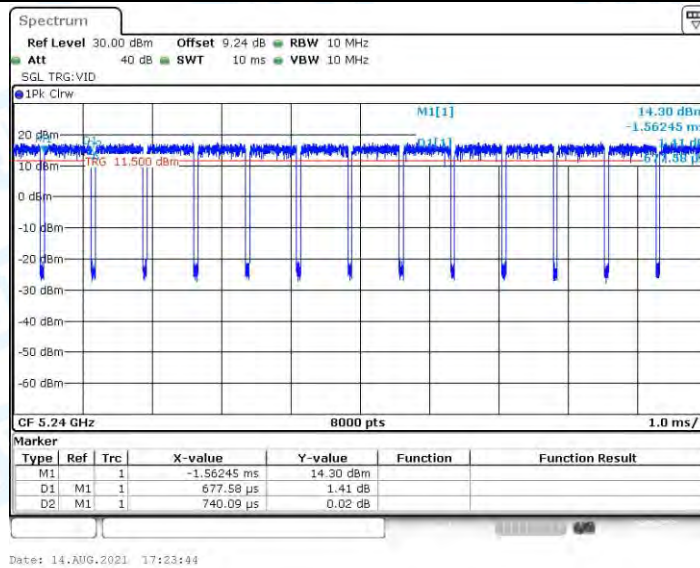
11AC20MIMO_Ant1_5200



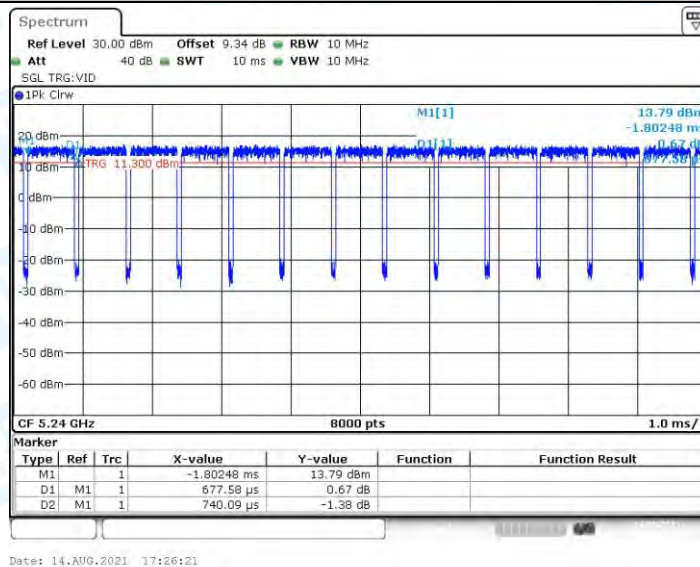
11AC20MIMO_Ant2_5200



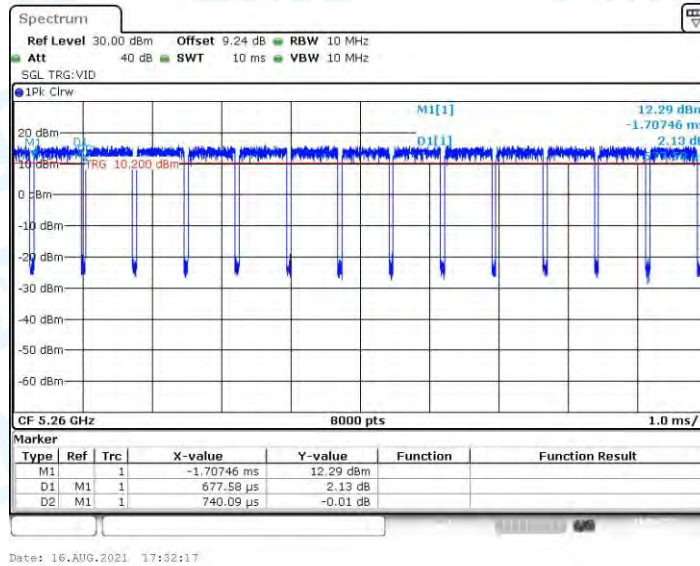
11AC20MIMO_Ant1_5240



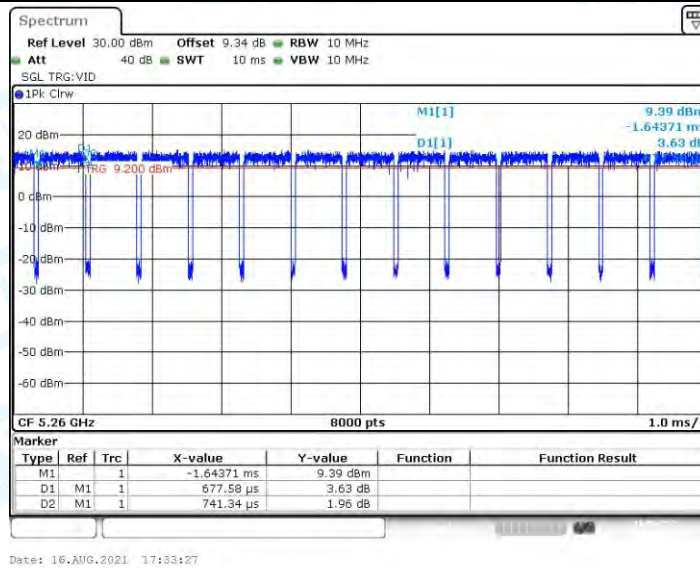
11AC20MIMO_Ant2_5240



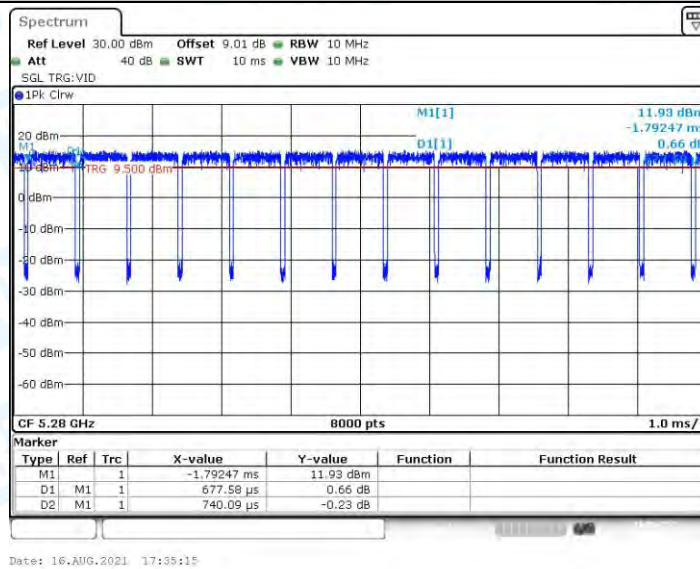
11AC20MIMO_Ant1_5260



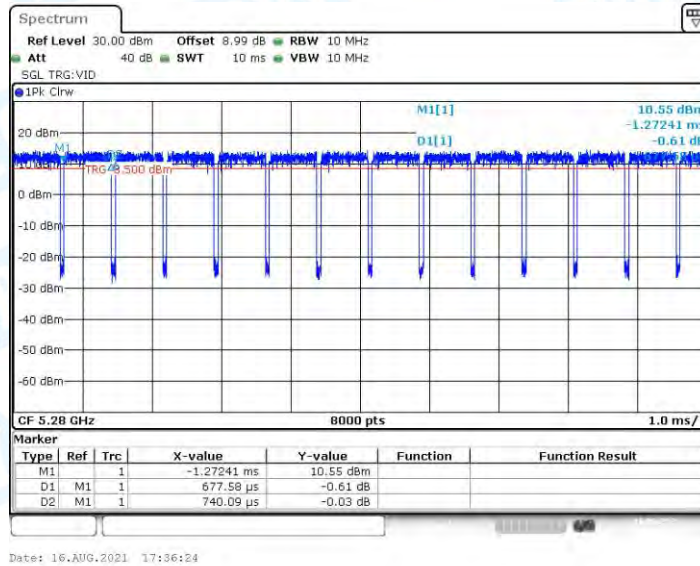
11AC20MIMO_Ant2_5260



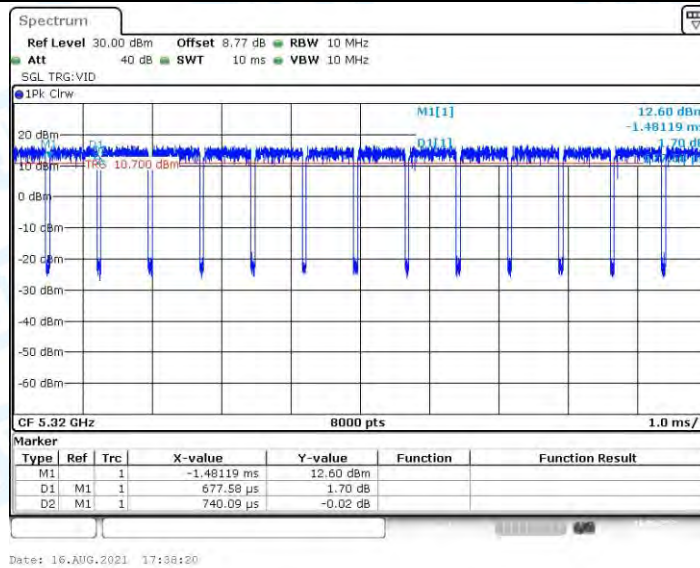
11AC20MIMO_Ant1_5280



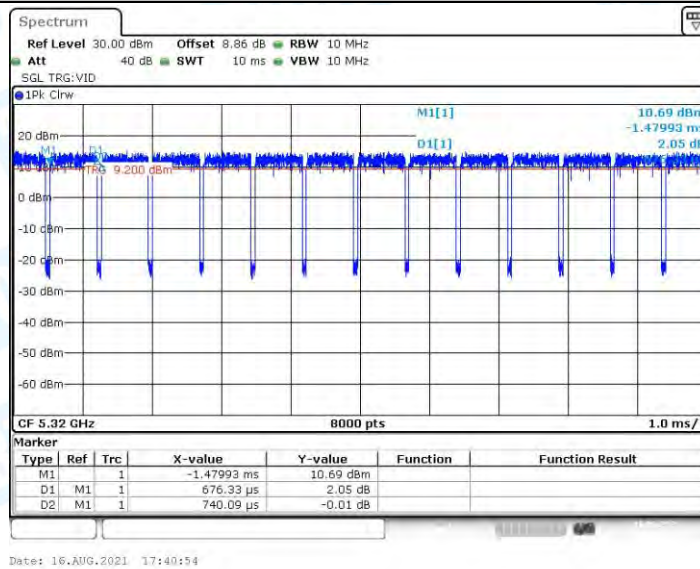
11AC20MIMO_Ant2_5280



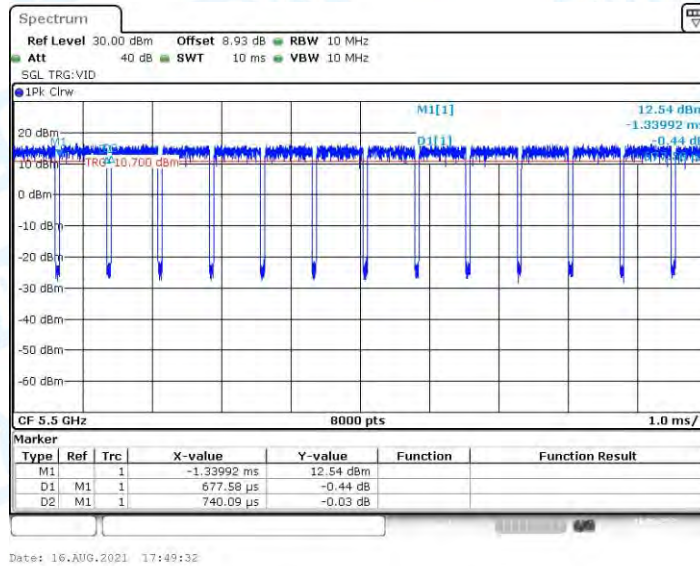
11AC20MIMO_Ant1_5320



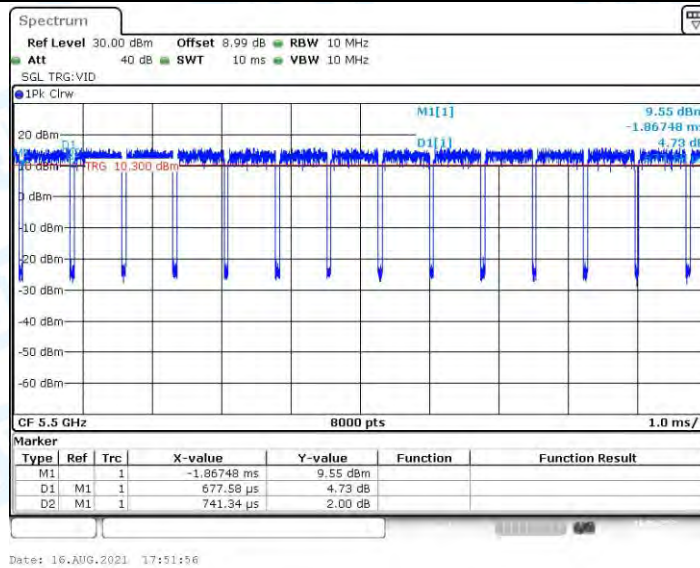
11AC20MIMO_Ant2_5320



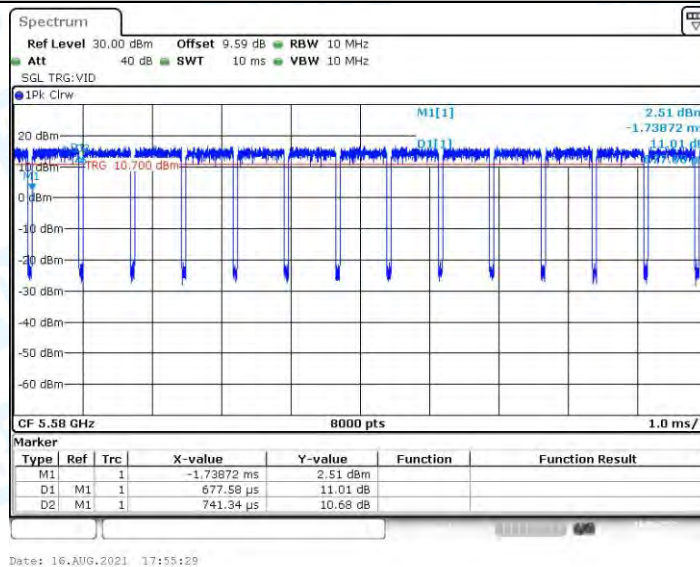
11AC20MIMO_Ant1_5500



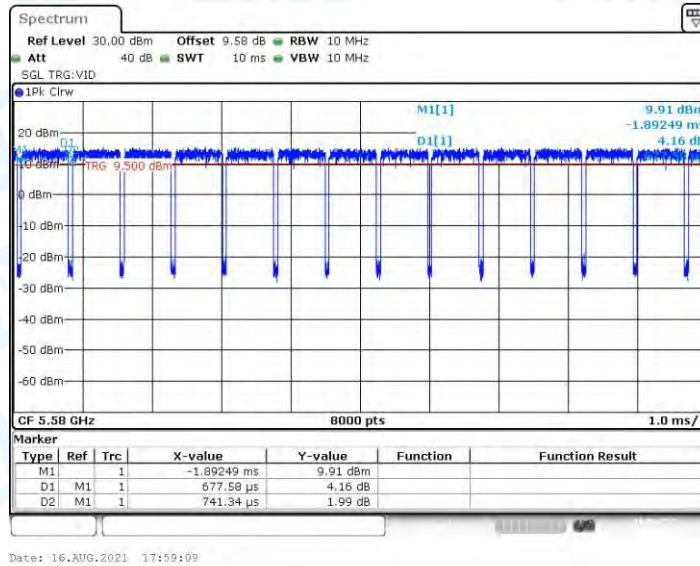
11AC20MIMO_Ant2_5500



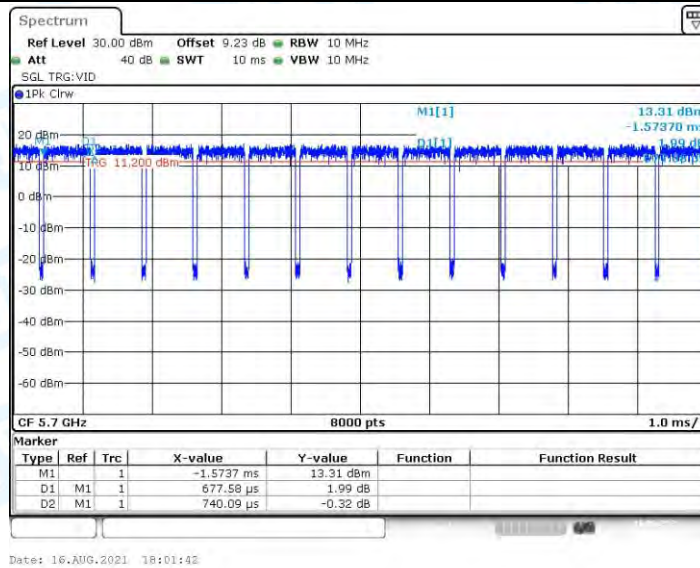
11AC20MIMO_Ant1_5580



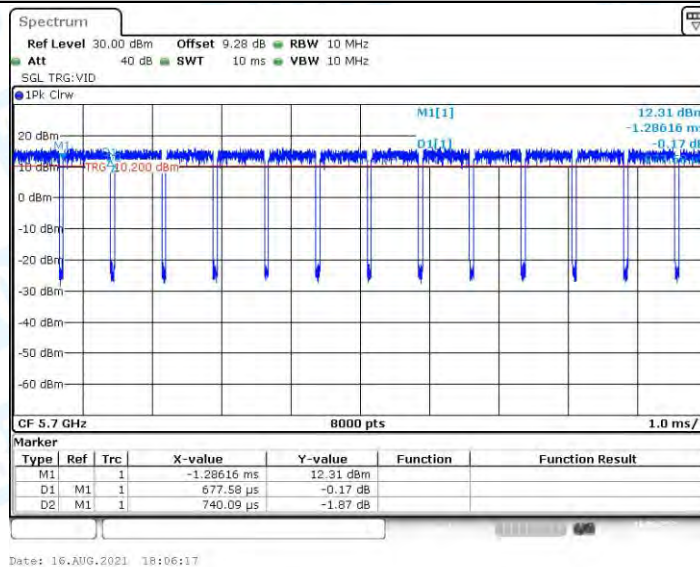
11AC20MIMO_Ant2_5580



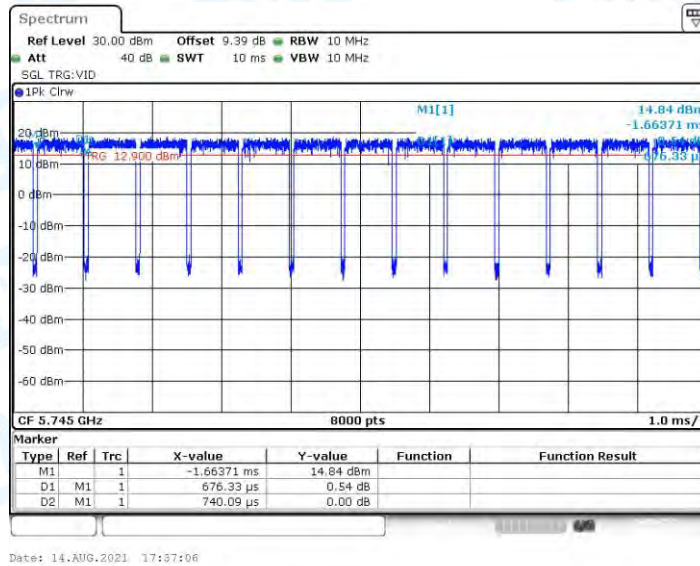
11AC20MIMO_Ant1_5700



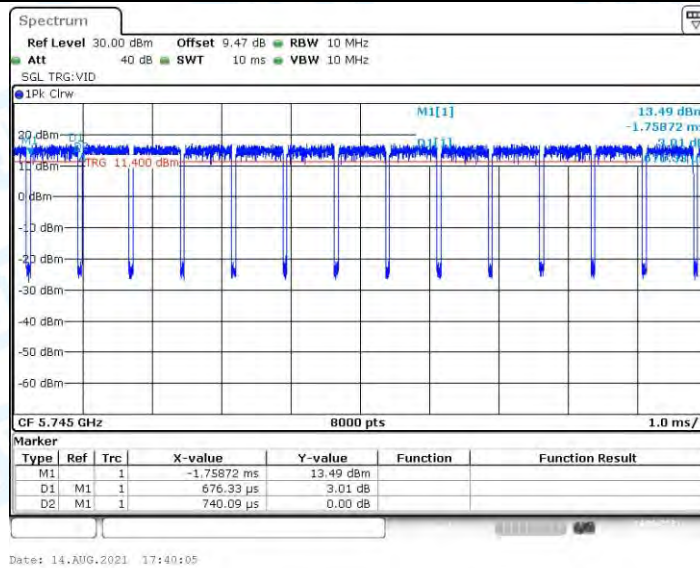
11AC20MIMO_Ant2_5700



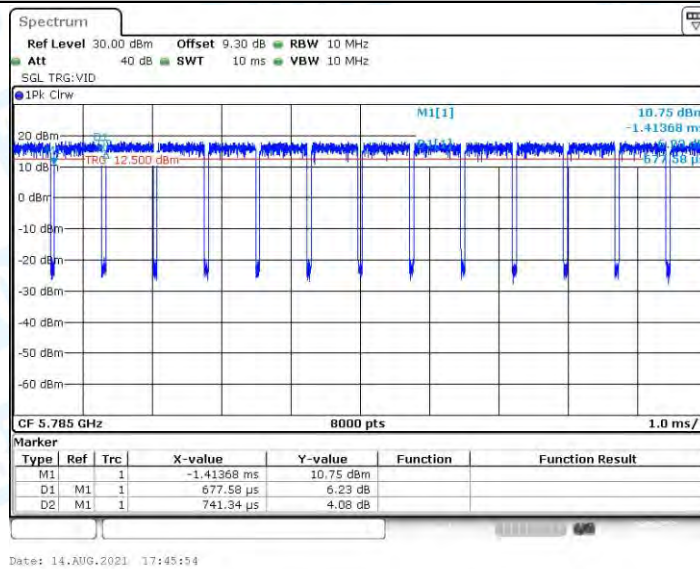
11AC20MIMO_Ant1_5745



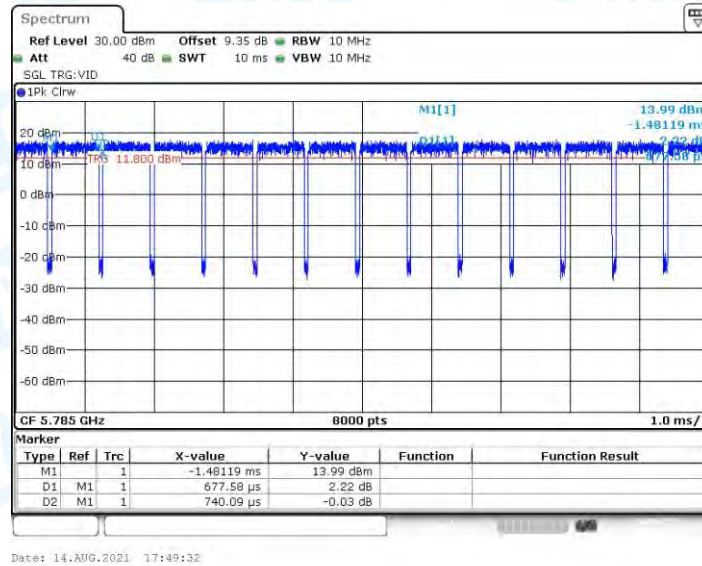
11AC20MIMO_Ant2_5745



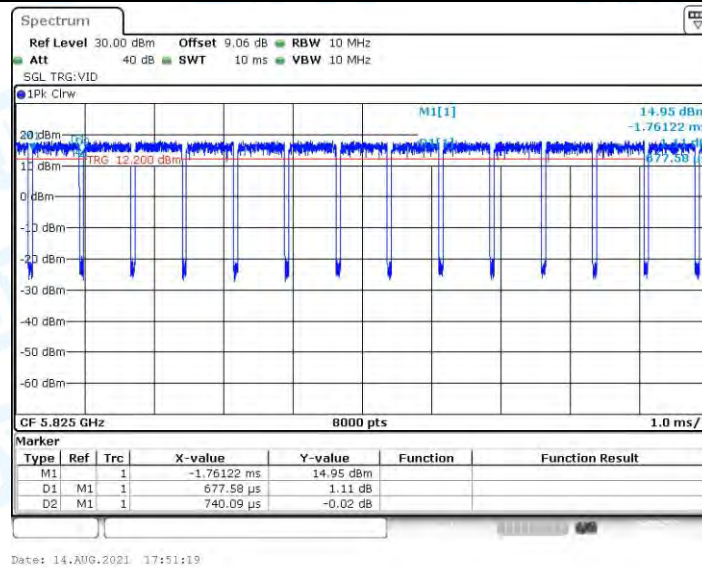
11AC20MIMO_Ant1_5785



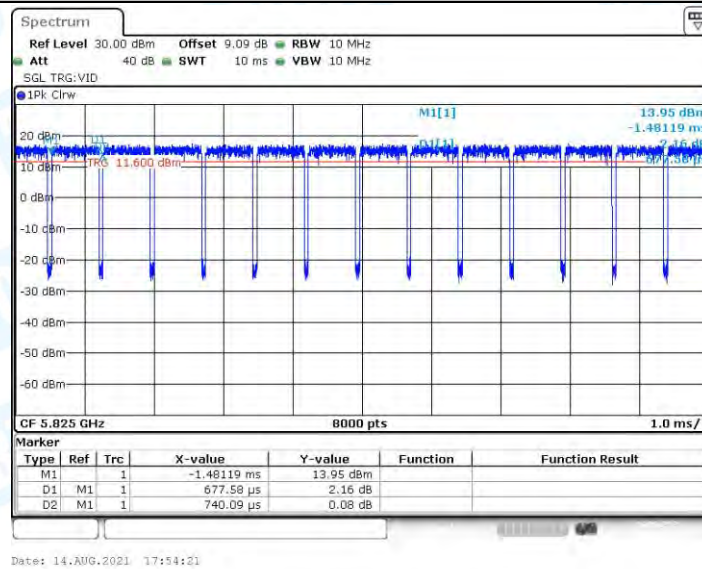
11AC20MIMO_Ant2_5785



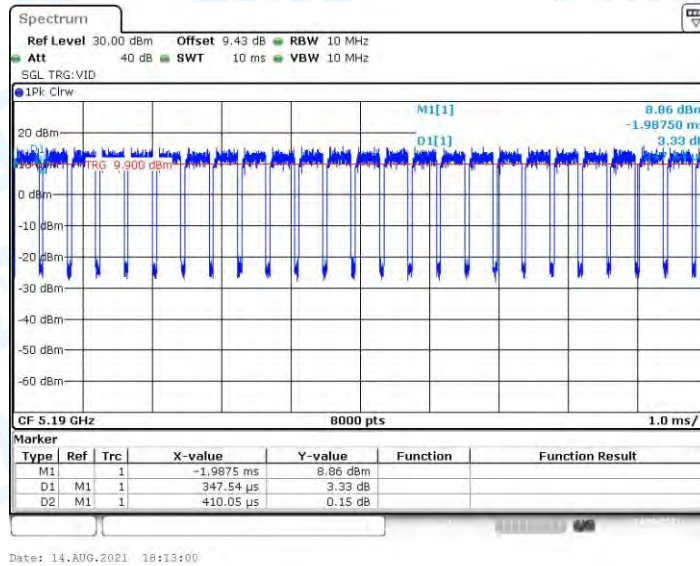
11AC20MIMO_Ant1_5825



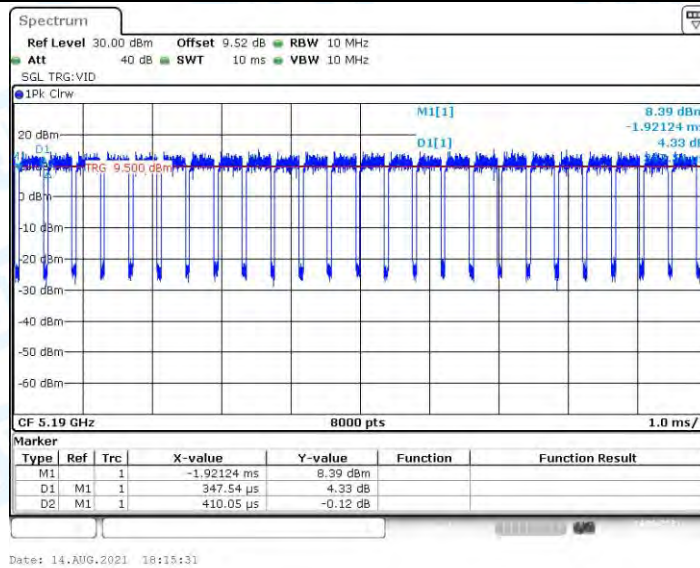
11AC20MIMO_Ant2_5825



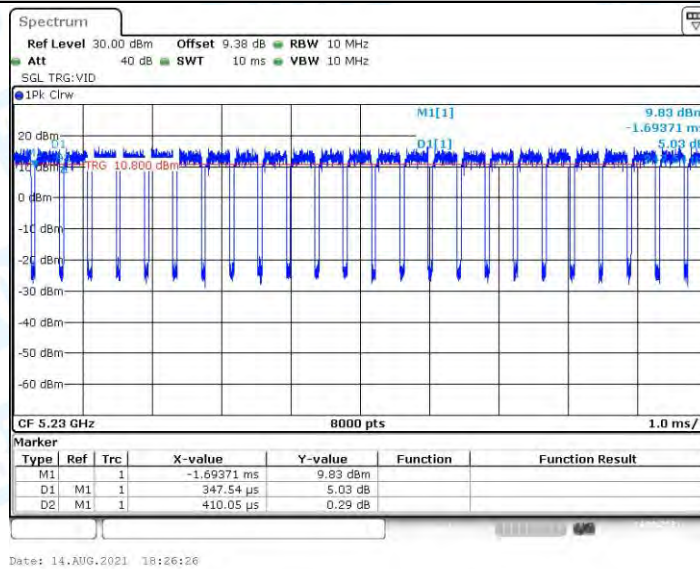
11AC40MIMO_Ant1_5190



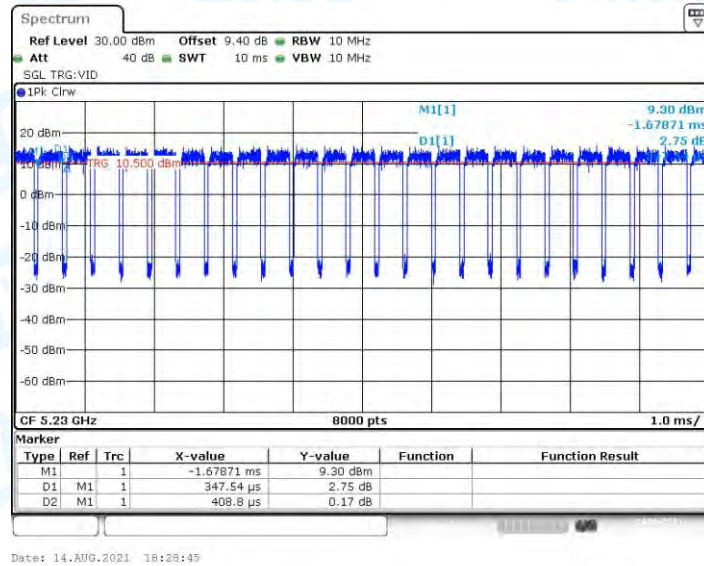
11AC40MIMO_Ant2_5190



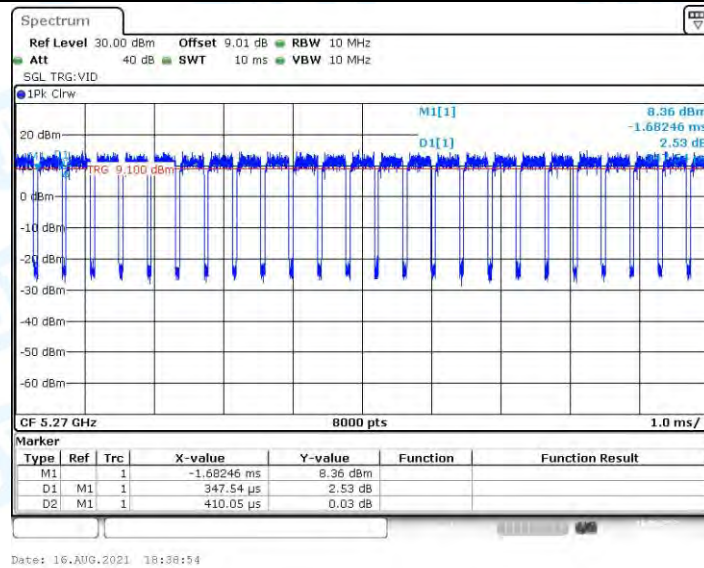
11AC40MIMO_Ant1_5230



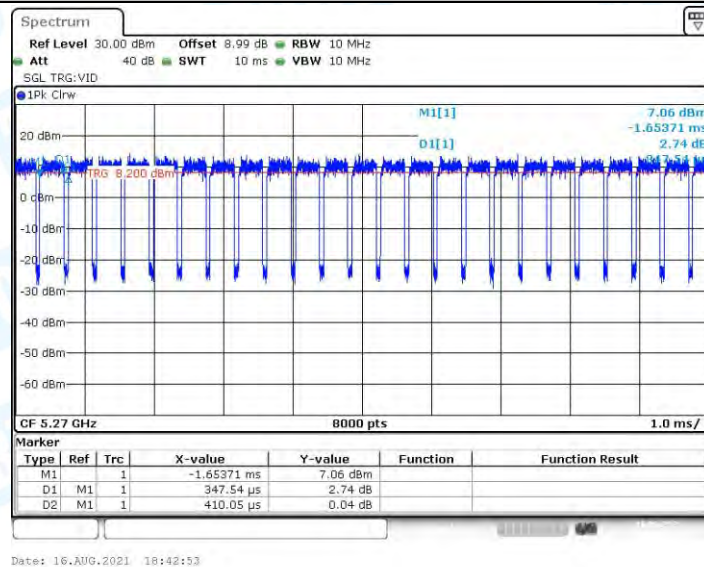
11AC40MIMO_Ant2_5230



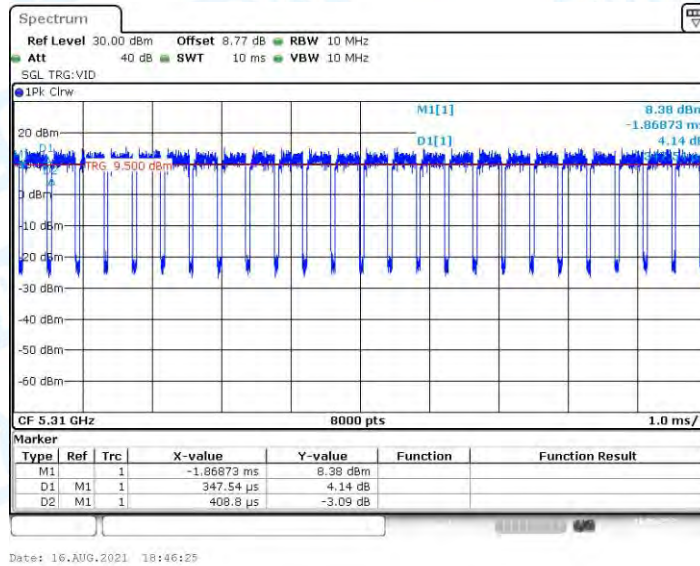
11AC40MIMO_Ant1_5270



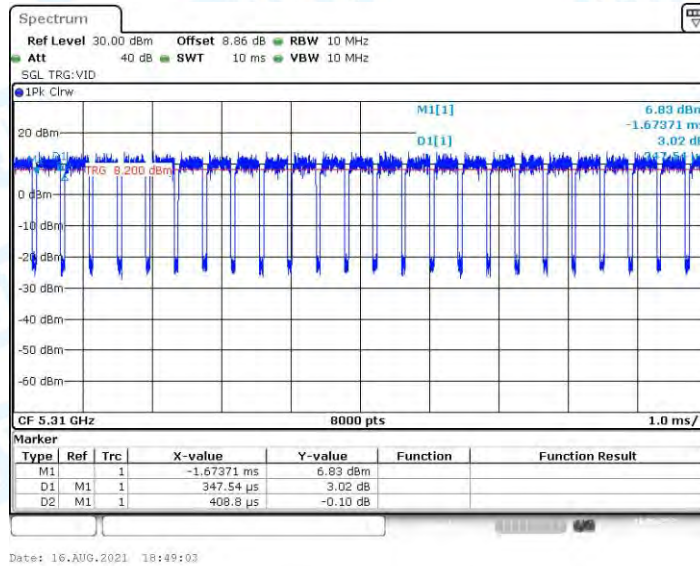
11AC40MIMO_Ant2_5270



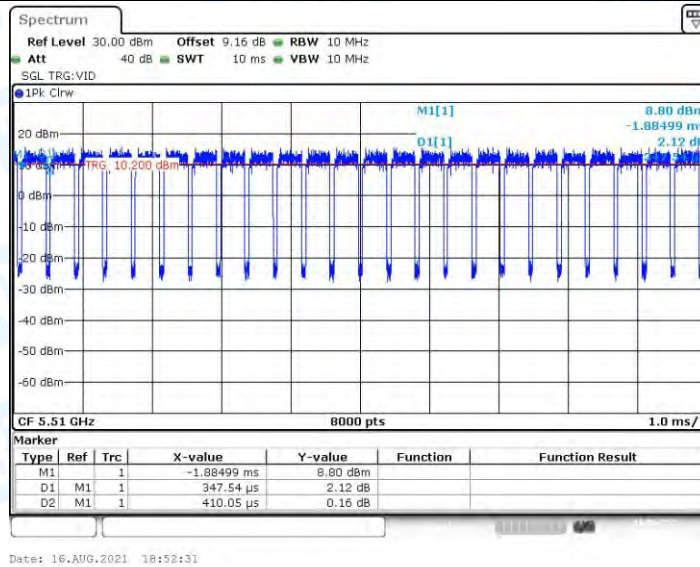
11AC40MIMO_Ant1_5310



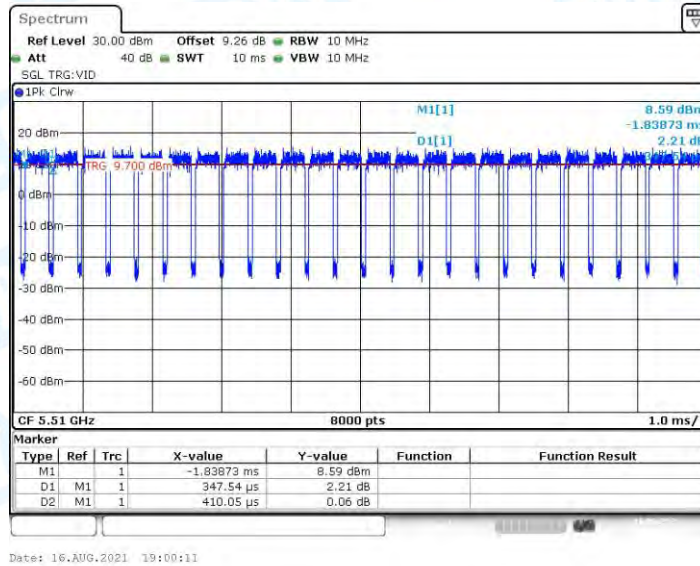
11AC40MIMO_Ant2_5310



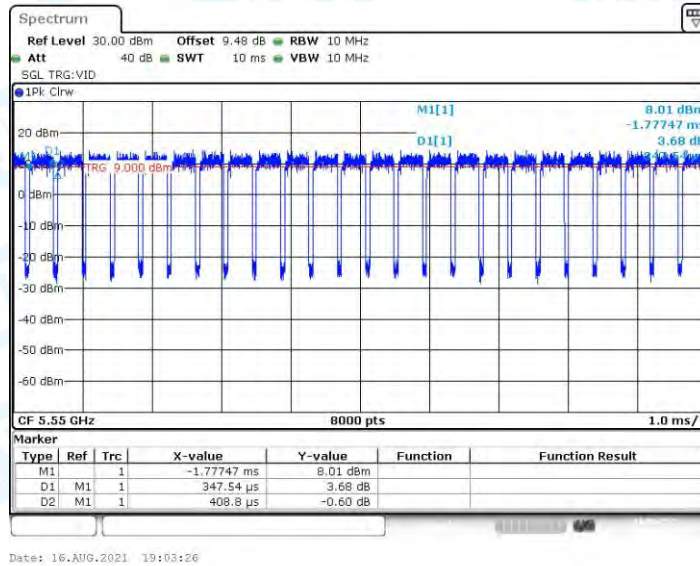
11AC40MIMO_Ant1_5510



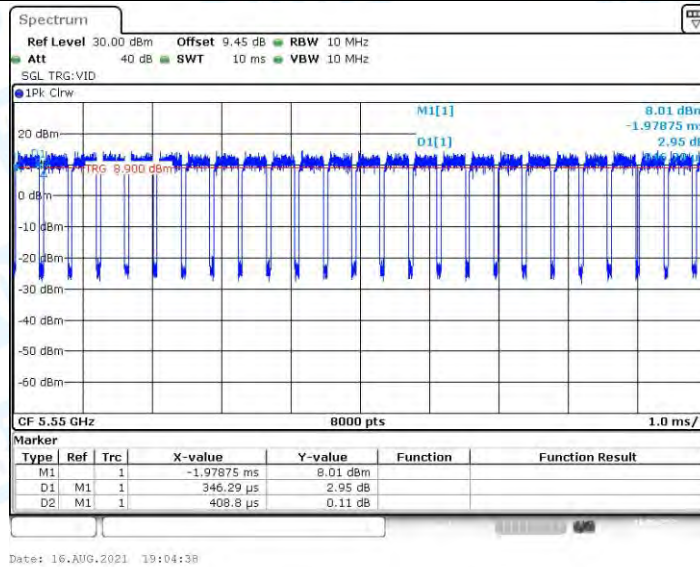
11AC40MIMO_Ant2_5510



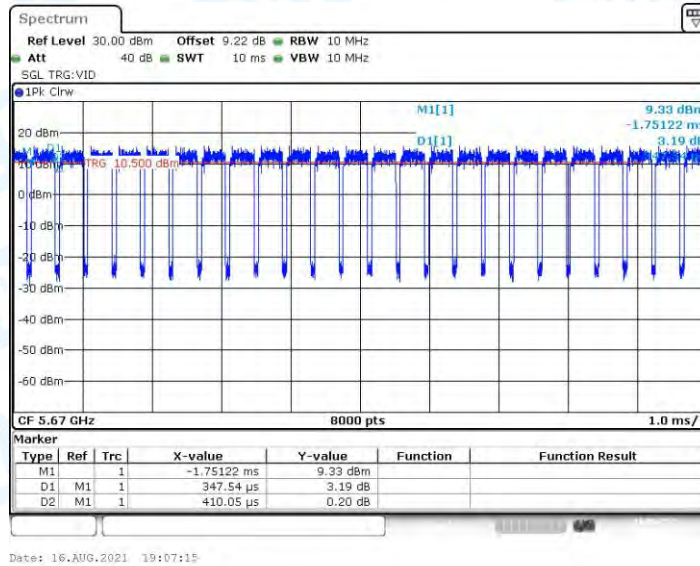
11AC40MIMO_Ant1_5550



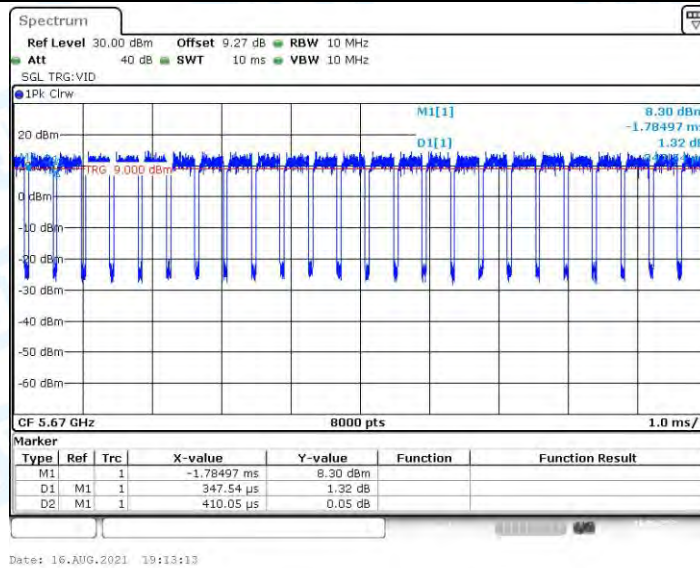
11AC40MIMO_Ant2_5550



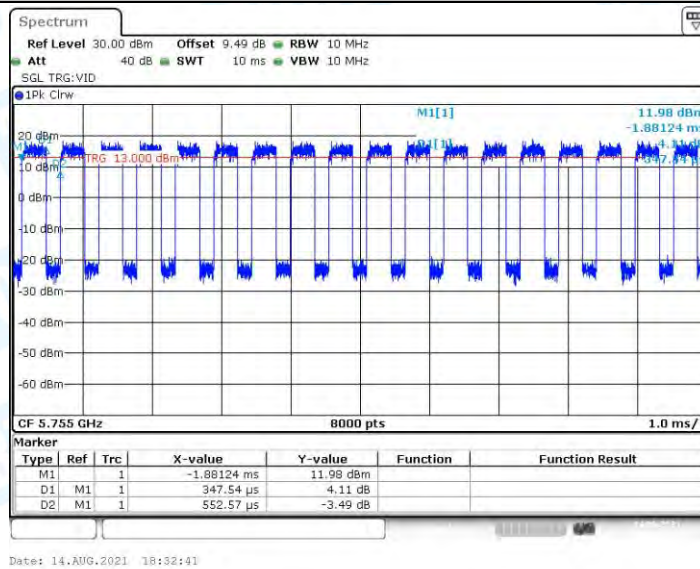
11AC40MIMO_Ant1_5670



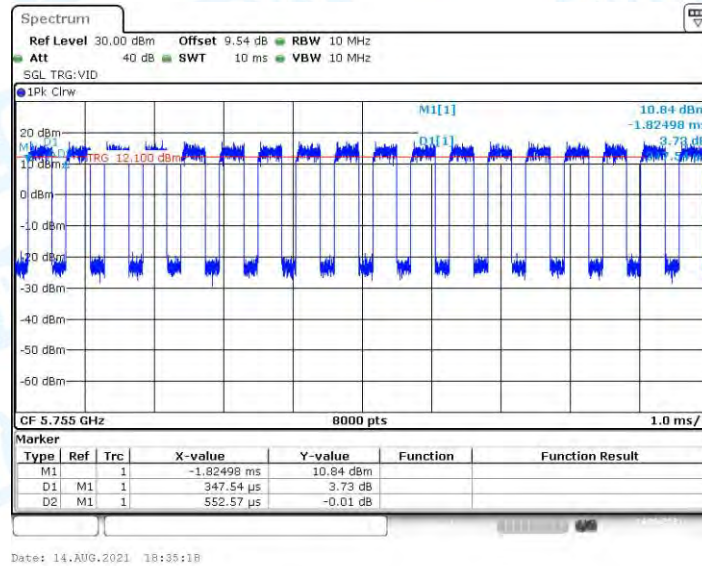
11AC40MIMO_Ant2_5670



11AC40MIMO_Ant1_5755



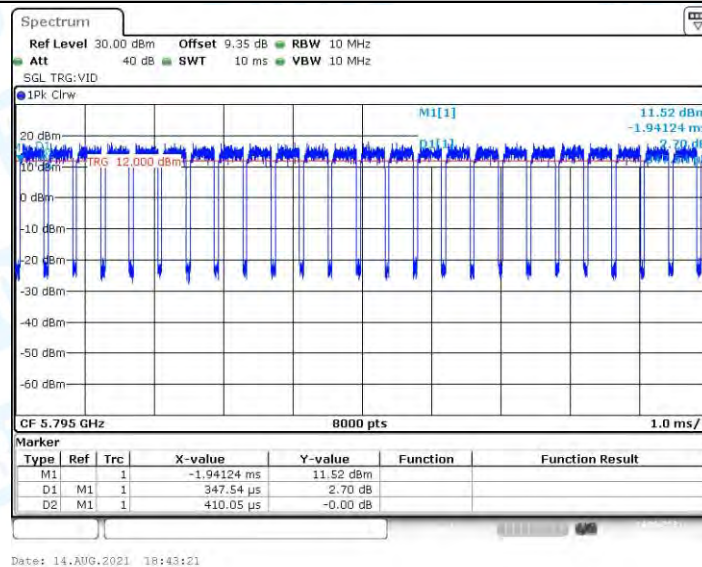
11AC40MIMO_Ant2_5755



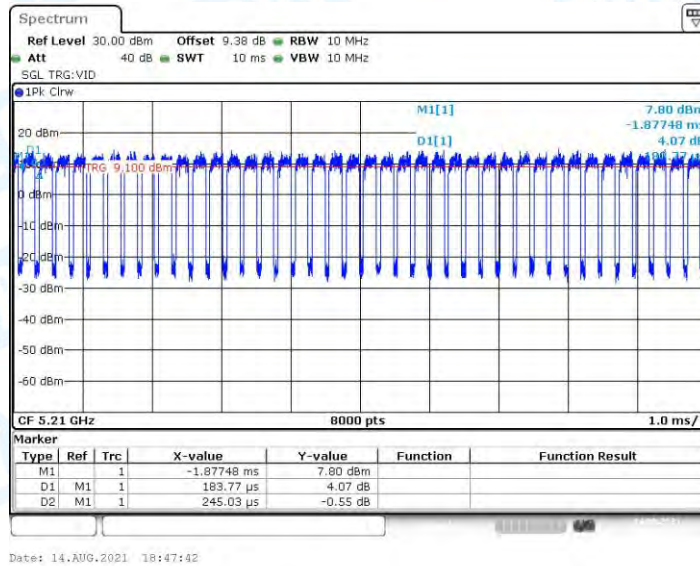
11AC40MIMO_Ant1_5795



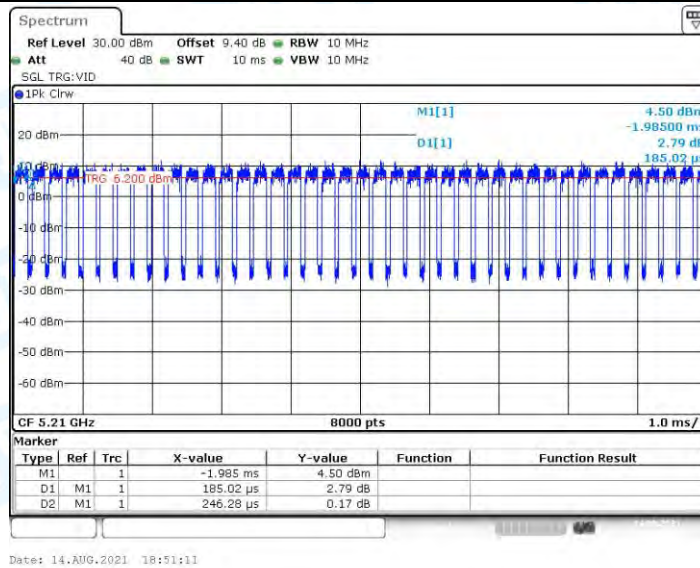
11AC40MIMO_Ant2_5795



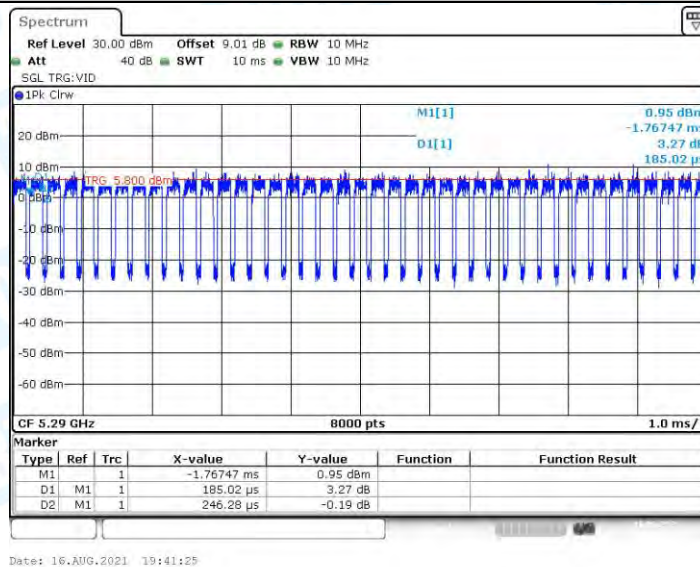
11AC80MIMO_Ant1_5210



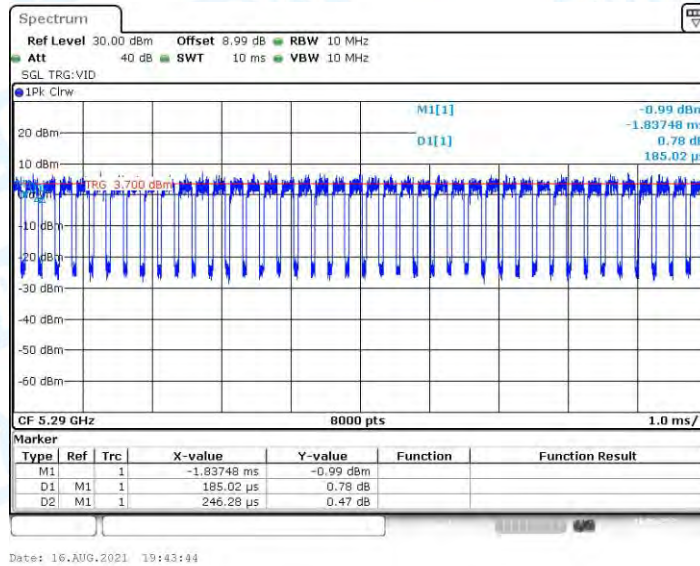
11AC80MIMO_Ant2_5210



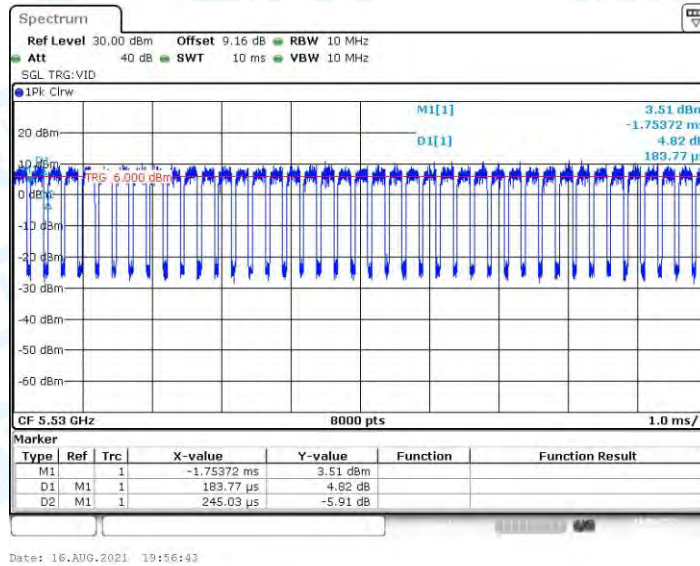
11AC80MIMO_Ant1_5290



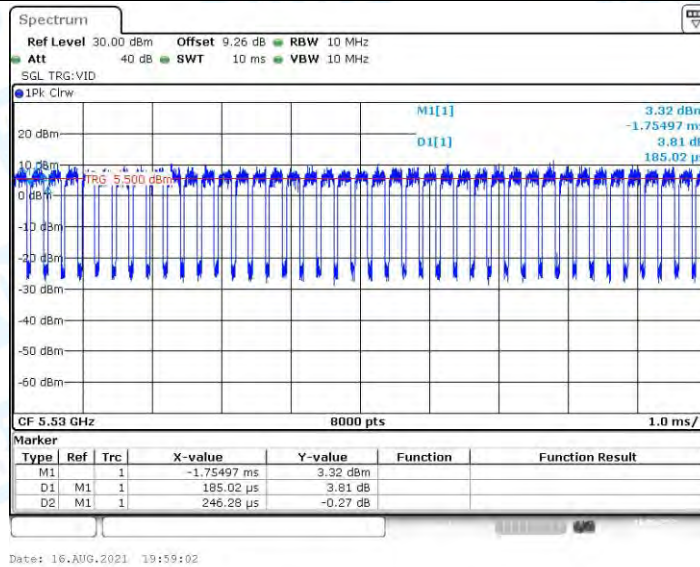
11AC80MIMO_Ant2_5290



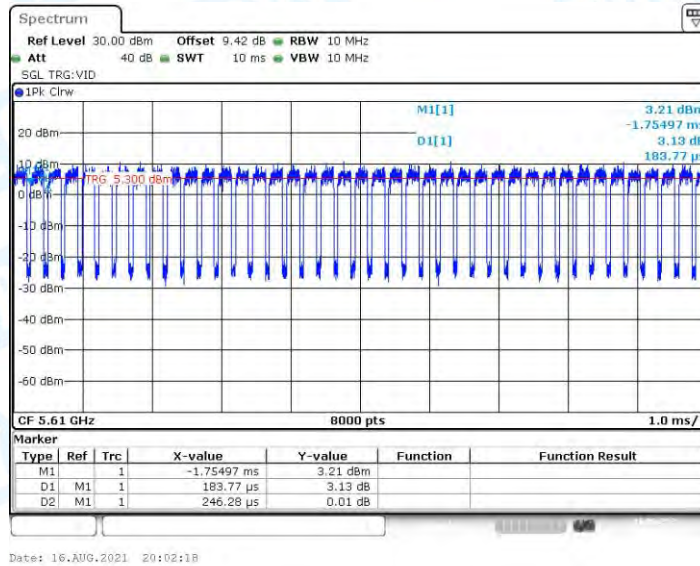
11AC80MIMO_Ant1_5530



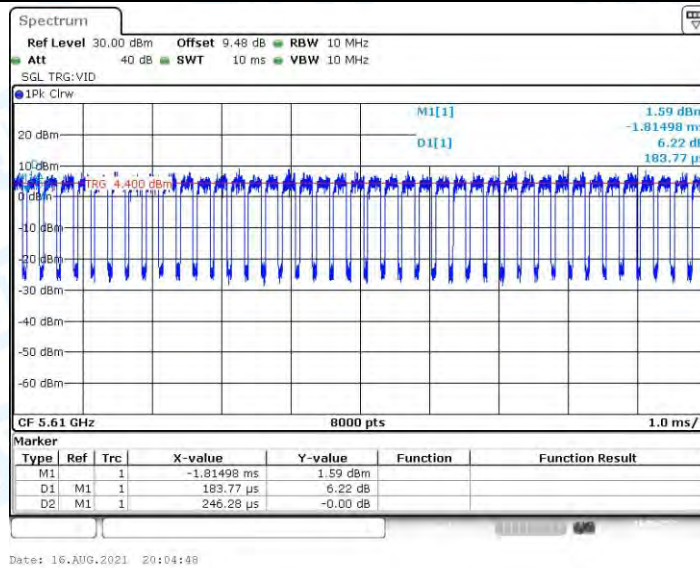
11AC80MIMO_Ant2_5530



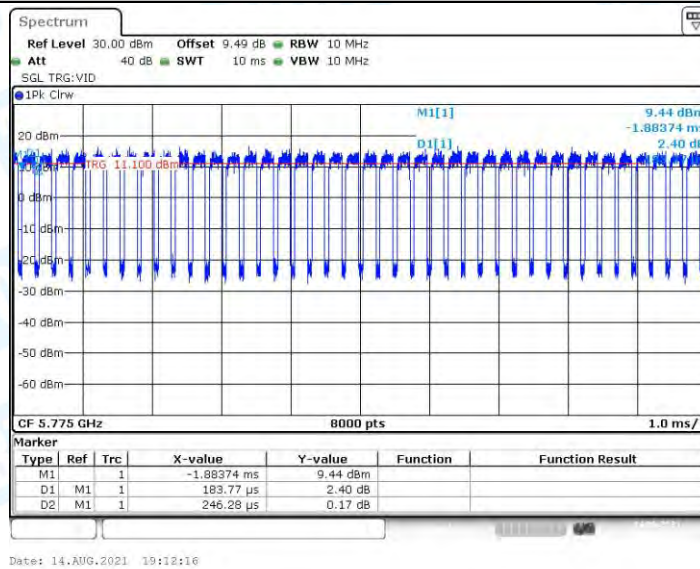
11AC80MIMO_Ant1_5610



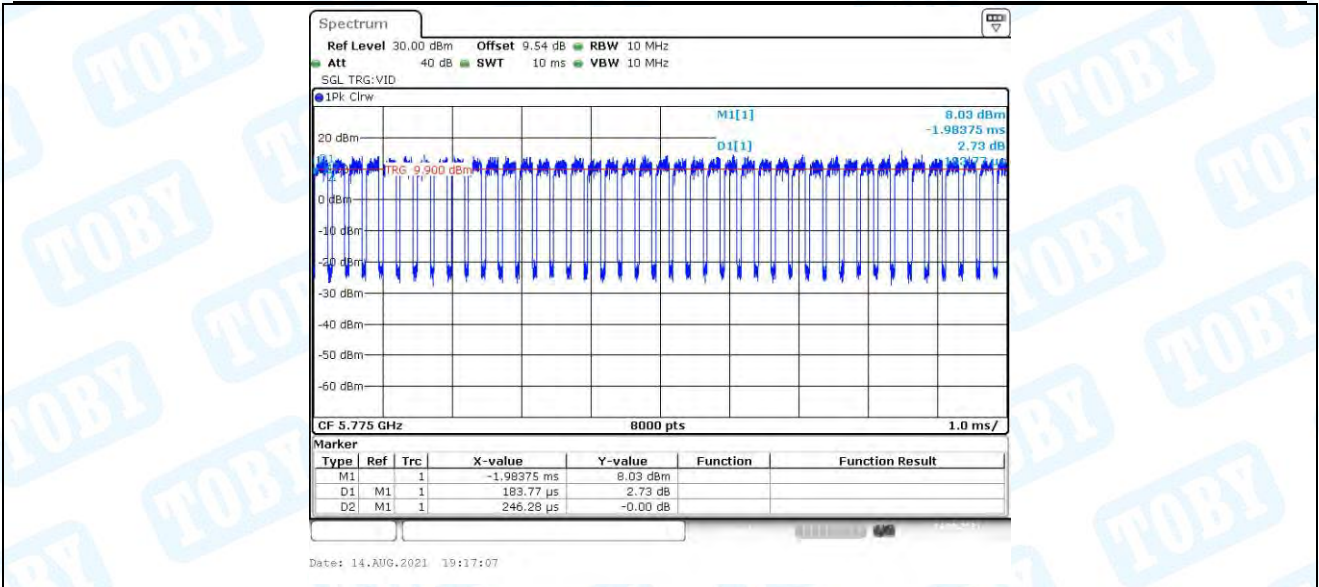
11AC80MIMO_Ant2_5610



11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775



-----End of the report-----