

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	1.95	≤17	PASS
	Ant2	5180	1.37	≤17	PASS
	Ant1	5200	1.69	≤17	PASS
	Ant2	5200	0.95	≤17	PASS
	Ant1	5240	0.58	≤17	PASS
	Ant2	5240	1.03	≤17	PASS
	Ant1	5745	-0.17	≤30	PASS
	Ant2	5745	1.78	≤30	PASS
	Ant1	5785	-0.18	≤30	PASS
	Ant2	5785	2.07	≤30	PASS
11N20MIMO	Ant1	5825	-0.24	≤30	PASS
	Ant2	5825	2.53	≤30	PASS
	Ant1	5180	0.74	≤15	PASS
	Ant2	5180	0.17	≤15	PASS
	total	5180	3.47	≤15	PASS
	Ant1	5200	1.04	≤15	PASS
	Ant2	5200	0.48	≤15	PASS
	total	5200	3.78	≤15	PASS
	Ant1	5240	0.86	≤15	PASS
	Ant2	5240	0.59	≤15	PASS
	total	5240	3.74	≤15	PASS
	Ant1	5745	-1.21	≤28	PASS
	Ant2	5745	-0.88	≤28	PASS
	total	5745	1.97	≤28	PASS
	Ant1	5785	-1.10	≤28	PASS
	Ant2	5785	-0.17	≤28	PASS
	total	5785	2.40	≤28	PASS
	Ant1	5825	0.41	≤28	PASS
	Ant2	5825	0.27	≤28	PASS
	total	5825	3.35	≤28	PASS
11N40MIMO	Ant1	5190	-1.54	≤15	PASS
	Ant2	5190	-1.91	≤15	PASS
	total	5190	1.29	≤15	PASS
	Ant1	5230	-1.97	≤15	PASS
	Ant2	5230	-2.33	≤15	PASS
	total	5230	0.86	≤15	PASS
	Ant1	5755	-5.60	≤28	PASS
	Ant2	5755	-4.86	≤28	PASS
	total	5755	-2.20	≤28	PASS
	Ant1	5795	-5.01	≤28	PASS
11AC20MIMO	Ant2	5795	-4.43	≤28	PASS
	total	5795	-1.70	≤28	PASS
	Ant1	5180	1.34	≤15	PASS
	Ant2	5180	0.99	≤15	PASS
	total	5180	4.18	≤15	PASS
	Ant1	5200	0.79	≤15	PASS
	Ant2	5200	0.42	≤15	PASS
	total	5200	3.62	≤15	PASS
	Ant1	5240	0.25	≤15	PASS
	Ant2	5240	0.34	≤15	PASS
	total	5240	3.31	≤15	PASS
	Ant1	5745	-1.97	≤28	PASS
	Ant2	5745	-0.85	≤28	PASS
	total	5745	1.64	≤28	PASS
	Ant1	5785	-1.04	≤28	PASS
	Ant2	5785	-1.37	≤28	PASS
	total	5785	1.81	≤28	PASS
	Ant1	5825	-1.02	≤28	PASS
	Ant2	5825	-0.31	≤28	PASS
	total	5825	2.71	≤28	PASS
11AC40MIMO	Ant1	5190	-1.69	≤15	PASS
	Ant2	5190	-2.25	≤15	PASS

CTC Laboratories, Inc.

1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

Fax: (86)755-27521011

Http://www.sz-ctc.org.cn

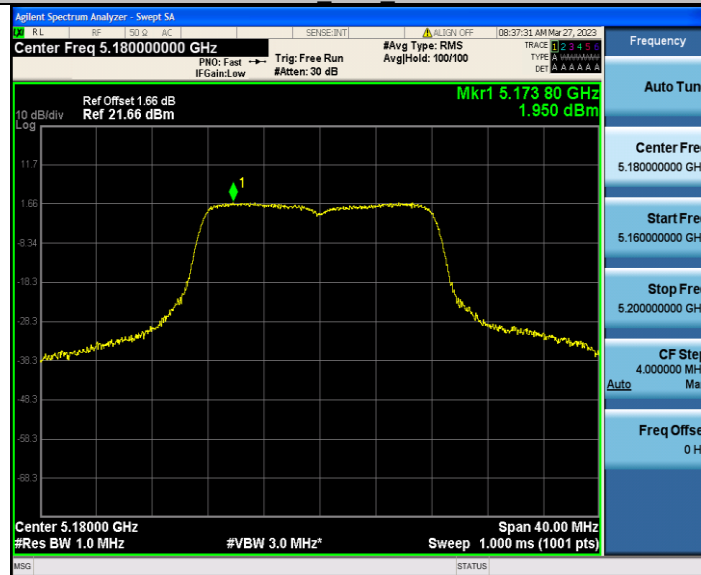
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



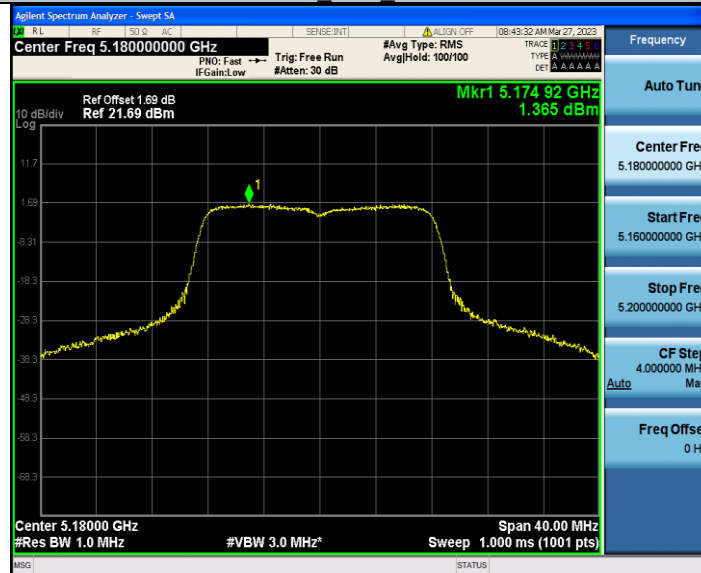
	total	5190	1.05	≤15	PASS
	Ant1	5230	-1.89	≤15	PASS
	Ant2	5230	-2.24	≤15	PASS
	total	5230	0.95	≤15	PASS
	Ant1	5755	-5.72	≤28	PASS
	Ant2	5755	-5.53	≤28	PASS
	total	5755	-2.39	≤28	PASS
	Ant1	5795	-5.68	≤28	PASS
	Ant2	5795	-5.10	≤28	PASS
11AC80MIMO	total	5795	-2.37	≤28	PASS
	Ant1	5210	-5.83	≤15	PASS
	Ant2	5210	-5.87	≤15	PASS
	total	5210	-2.84	≤15	PASS
	Ant1	5775	-7.89	≤28	PASS
	Ant2	5775	-7.40	≤28	PASS
	total	5775	-4.63	≤28	PASS



11A_Ant1_5180



11A_Ant2_5180



11A_Ant1_5200



11A_Ant2_5200

CTC Laboratories, Inc.

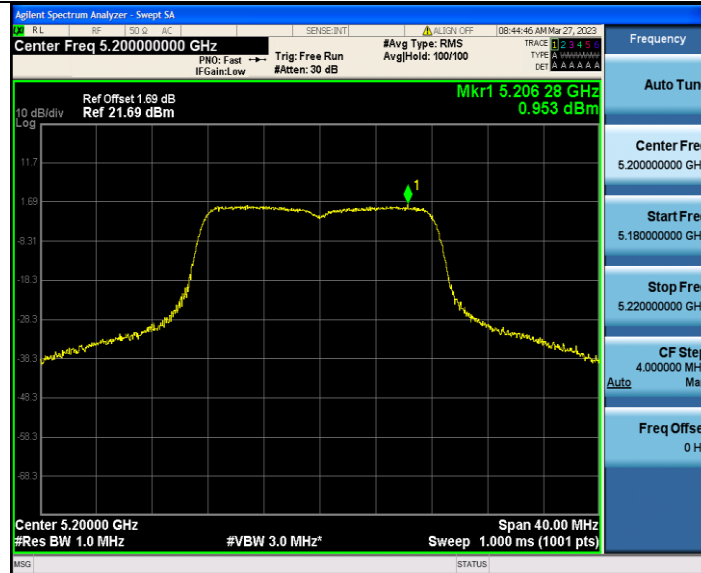
1-2/F, Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

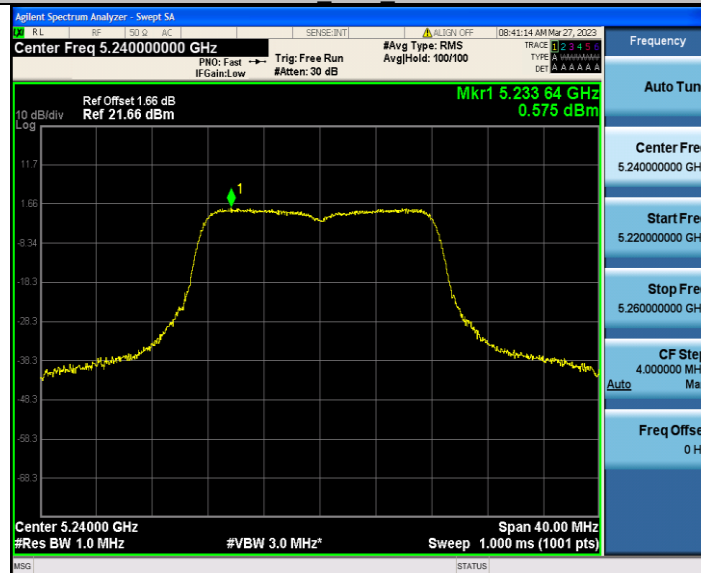
Fax: (86)755-27521011

Http://www.sz-ctc.org.cn

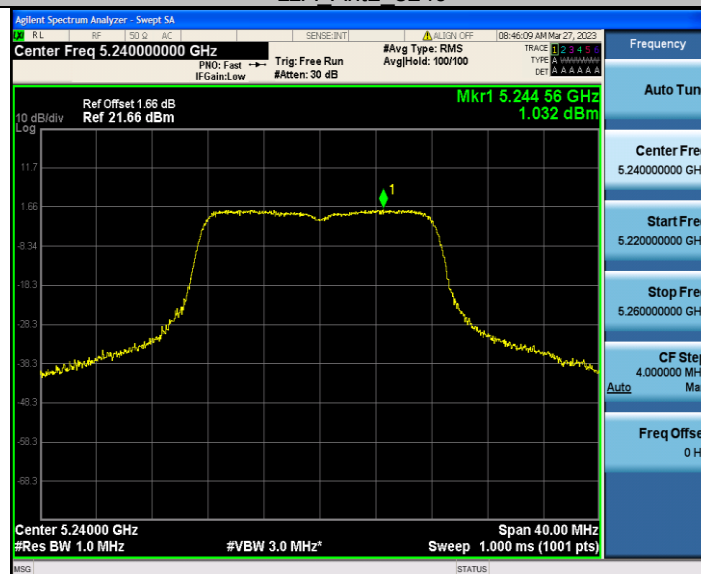
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



11A Ant1_5240



11A Ant2_5240



11A Ant1_5745

CTC Laboratories, Inc.

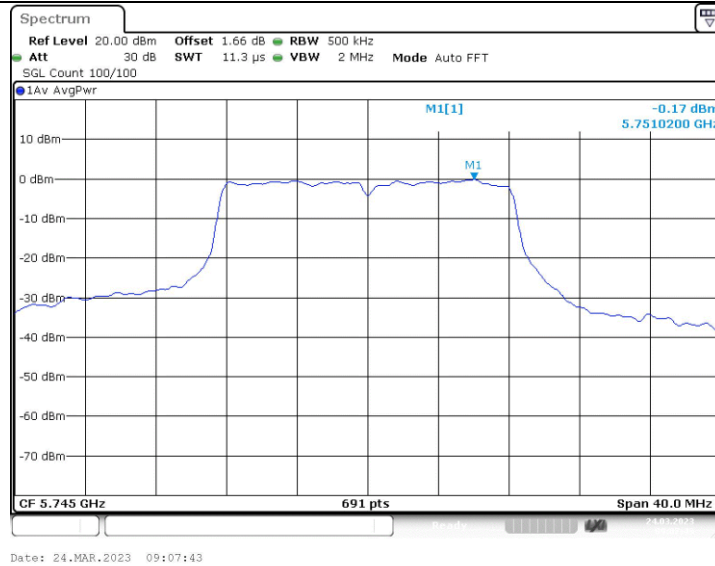
1-2/F, Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

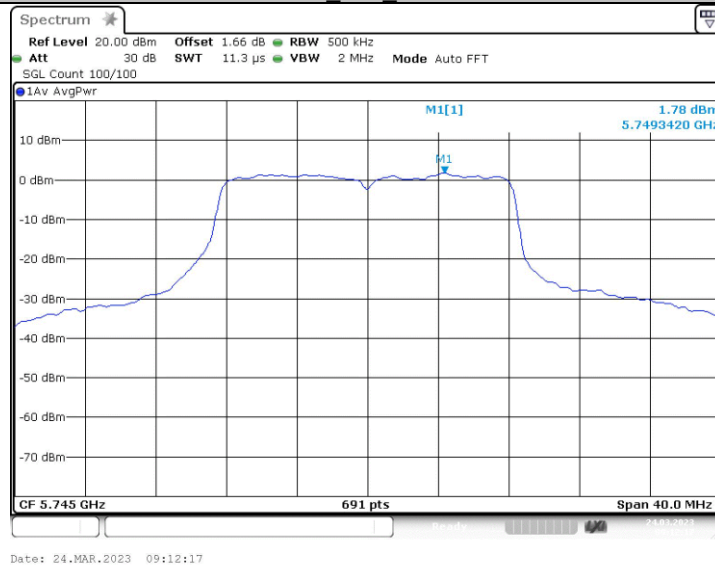
Fax: (86)755-27521011

Http://www.sz-ctc.org.cn

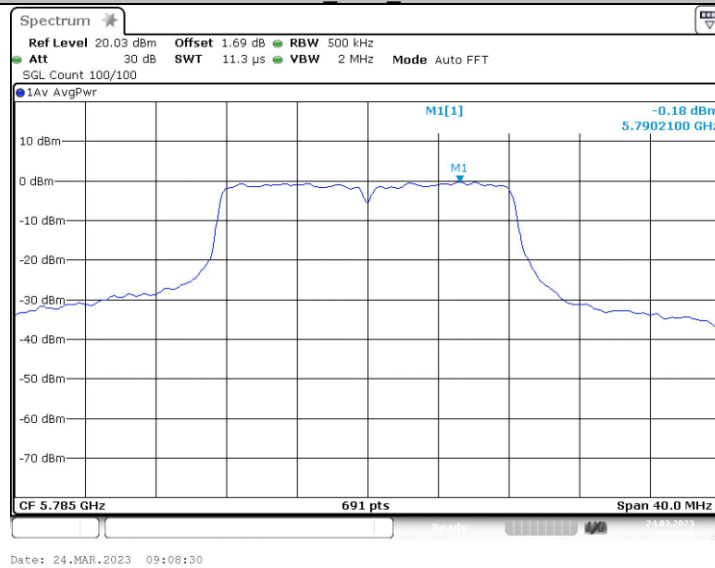
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



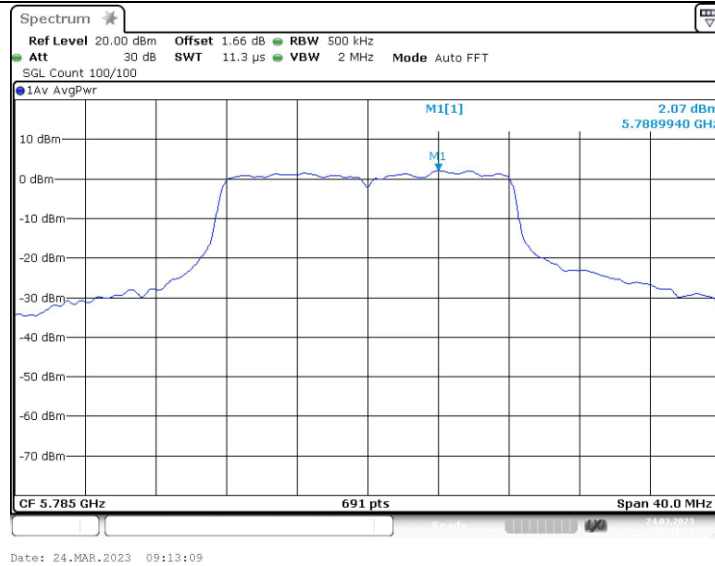
11A_An2_5745



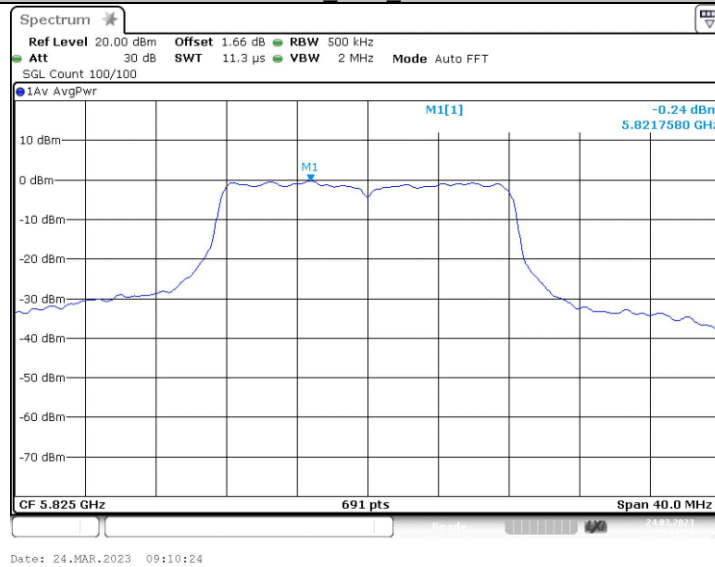
11A_Ant1_5785



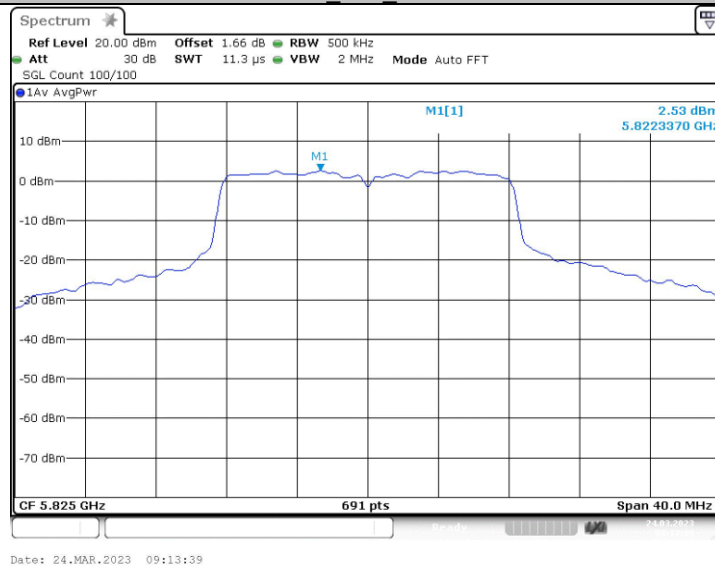
11A_An2_5785



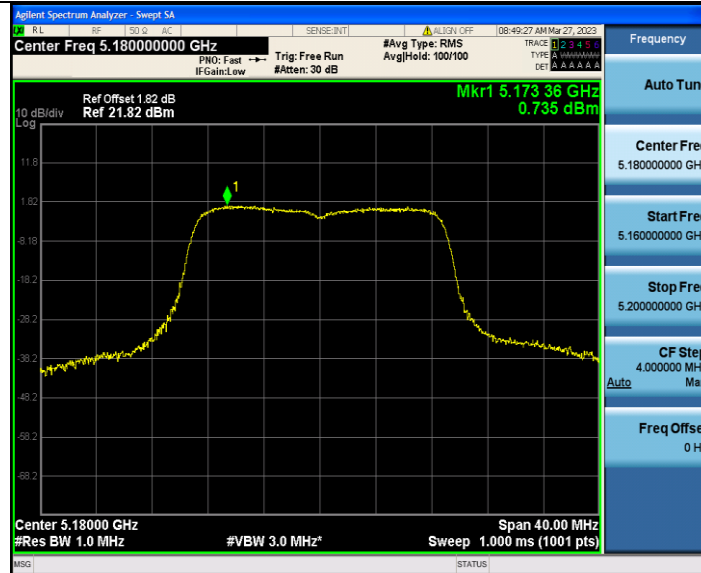
11A Ant1 5825



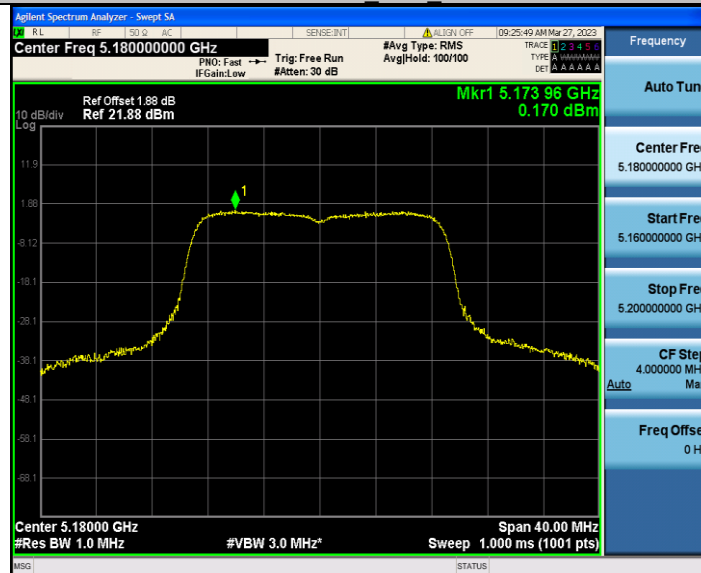
11A An2 5825



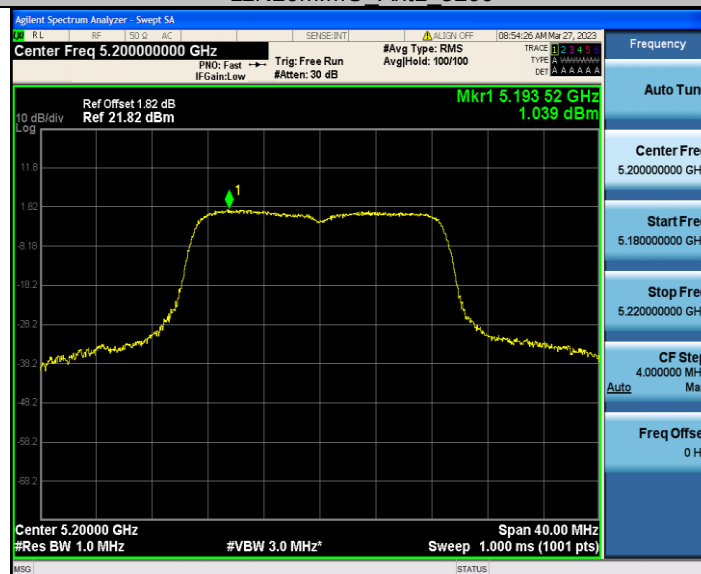
11N20MIMO Ant1 5180



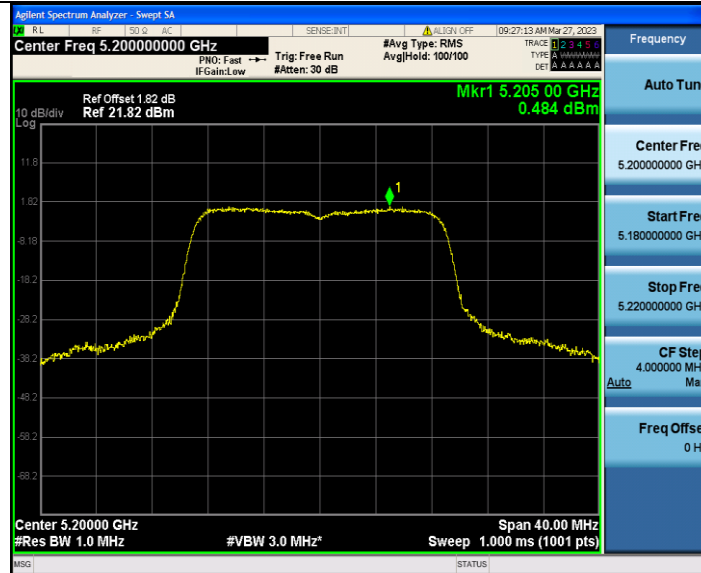
11N20MIMO_Ant2_5180



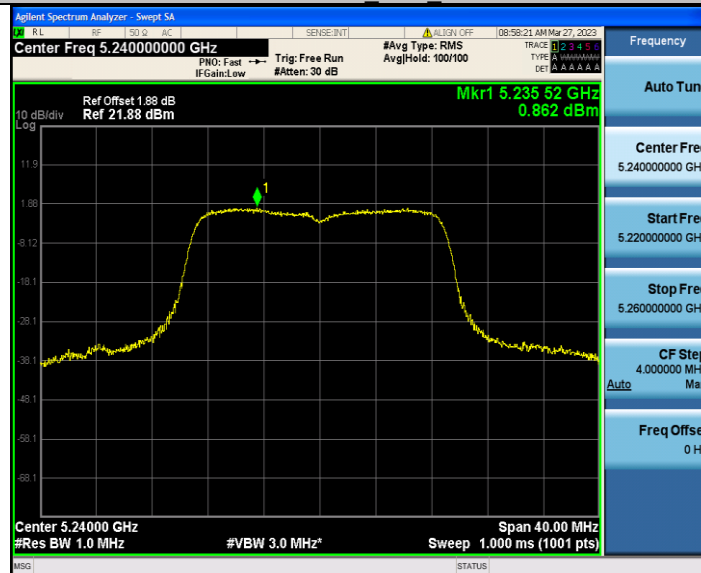
11N20MIMO_Ant1_5200



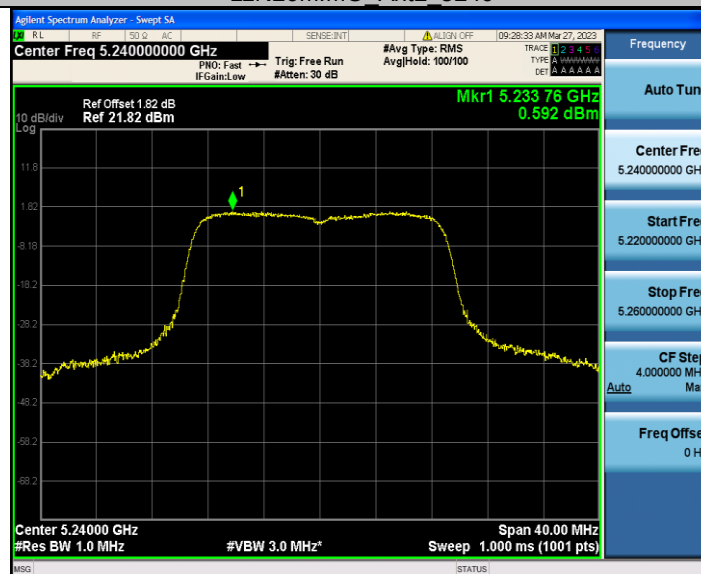
11N20MIMO_Ant2_5200



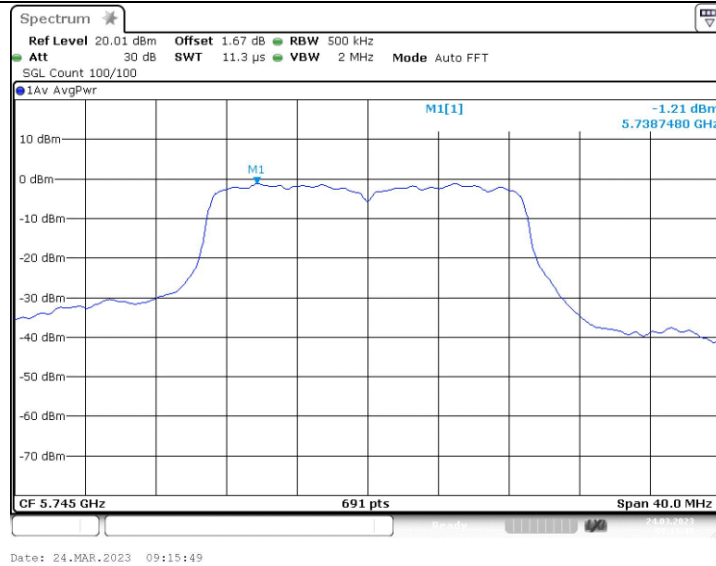
11N20MIMO_Ant1_5240



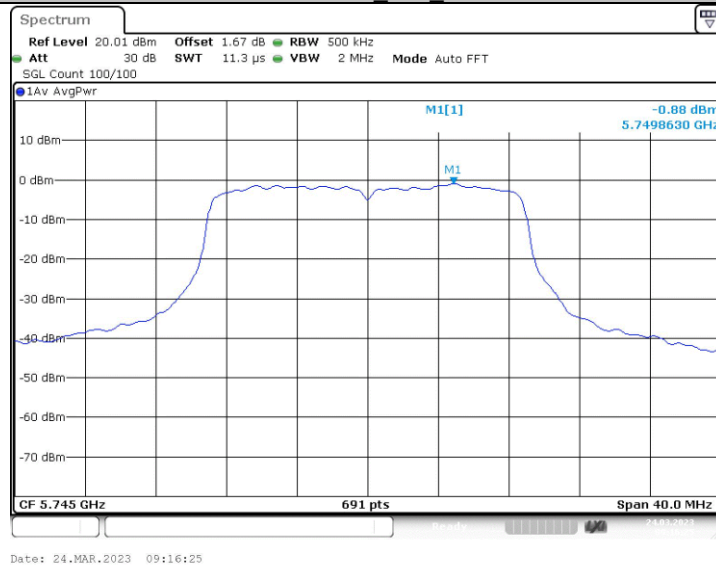
11N20MIMO_Ant2_5240



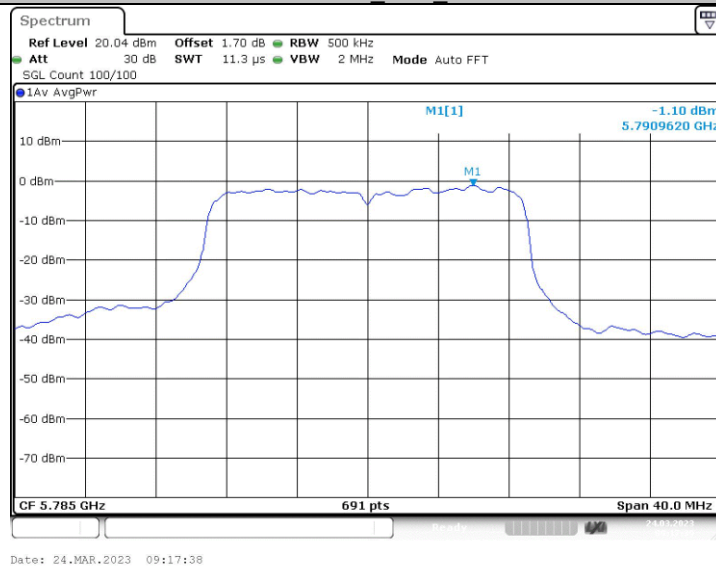
11N20MIMO_Ant1_5745



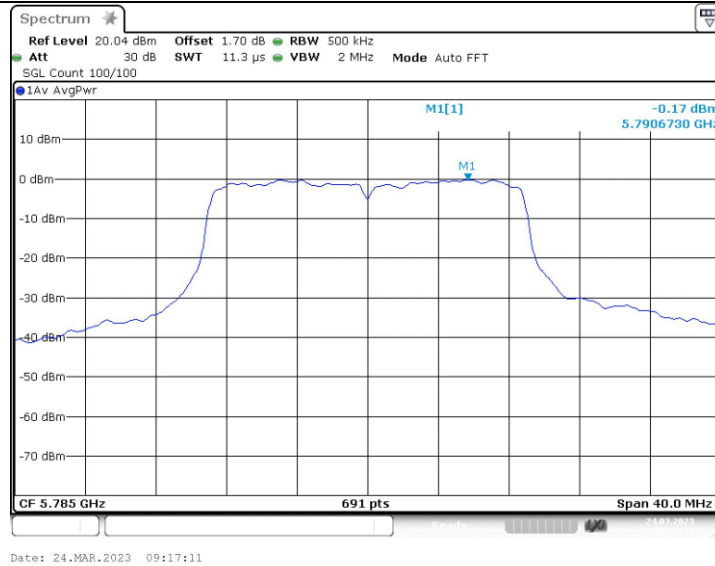
11N20MIMO_An2_5745



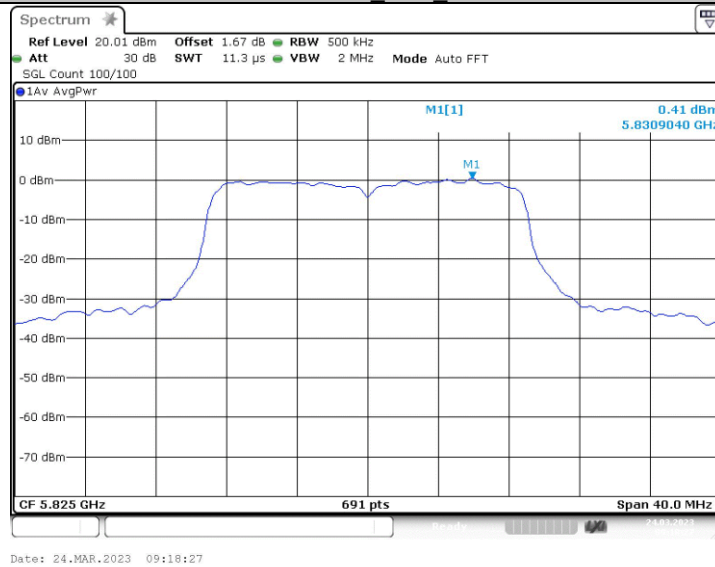
11N20MIMO_Ant1_5785



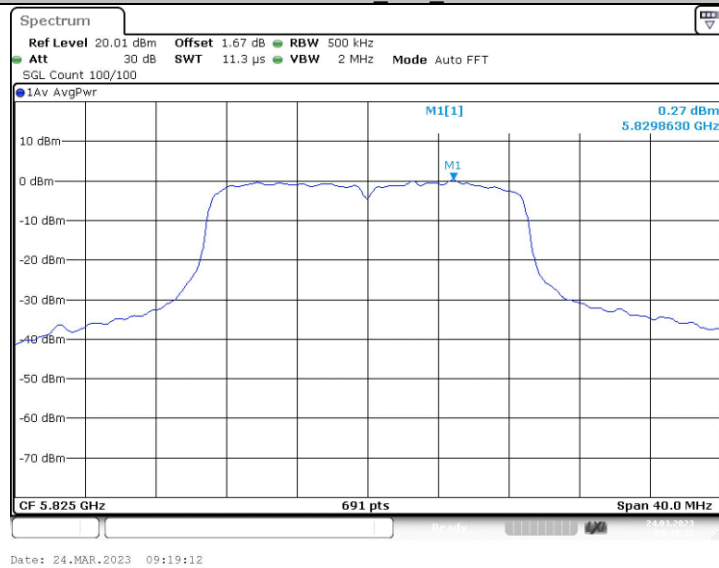
11N20MIMO_An2_5785



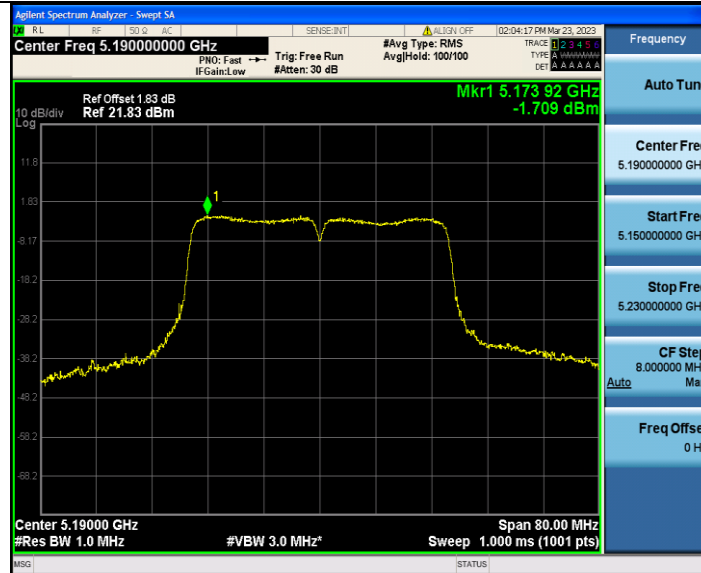
11N20MIMO_Ant1_5825



11N20MIMO_An2_5825



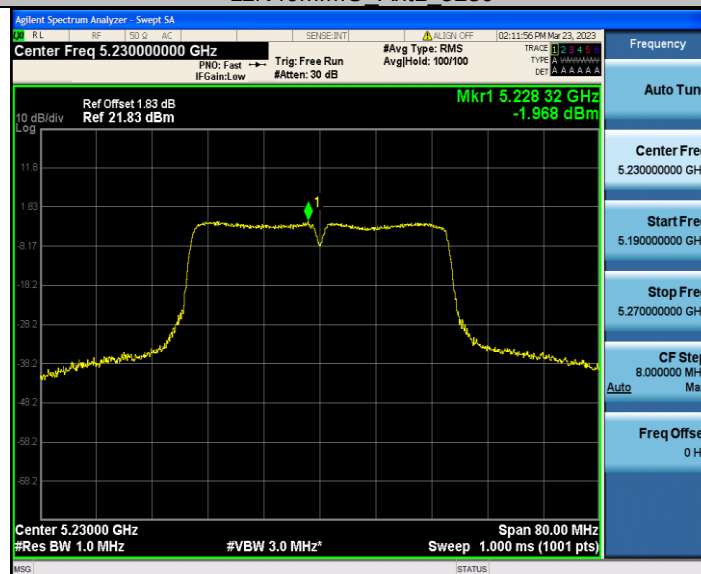
11N40MIMO_Ant1_5190



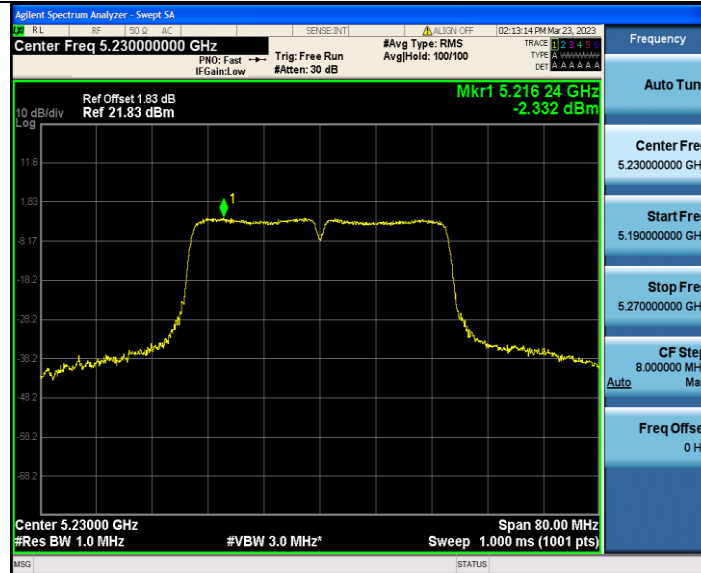
11N40MIMO_Ant2_5190



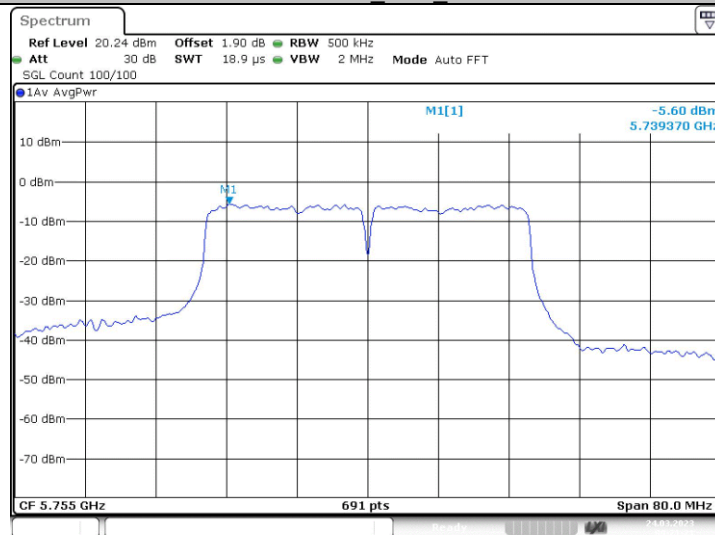
11N40MIMO_Ant1_5230



11N40MIMO_Ant2_5230

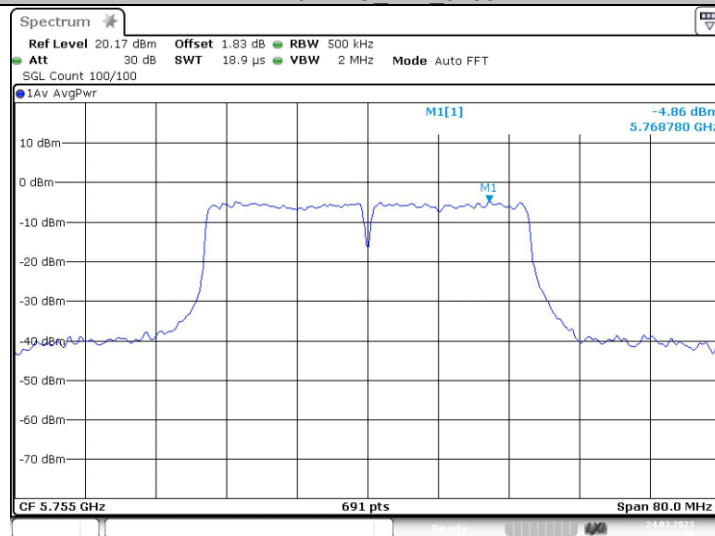


11N40MIMO_Ant1_5755



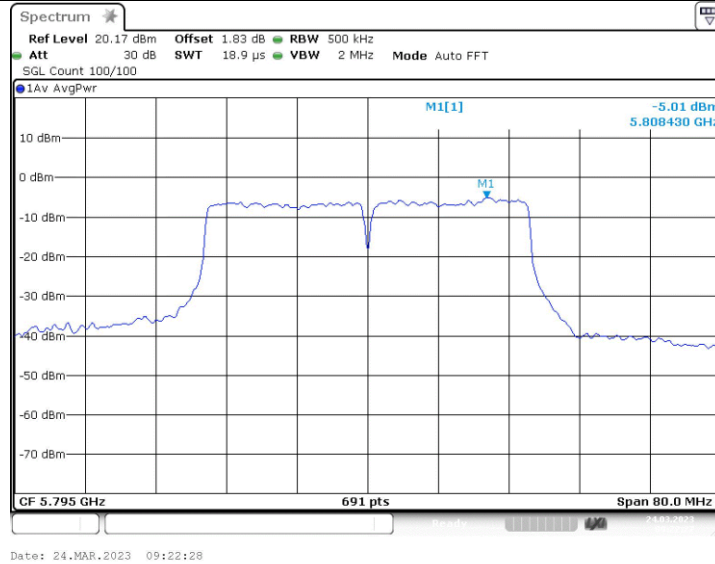
Date: 24.MAR.2023 09:21:21

11N40MIMO_Ant2_5755

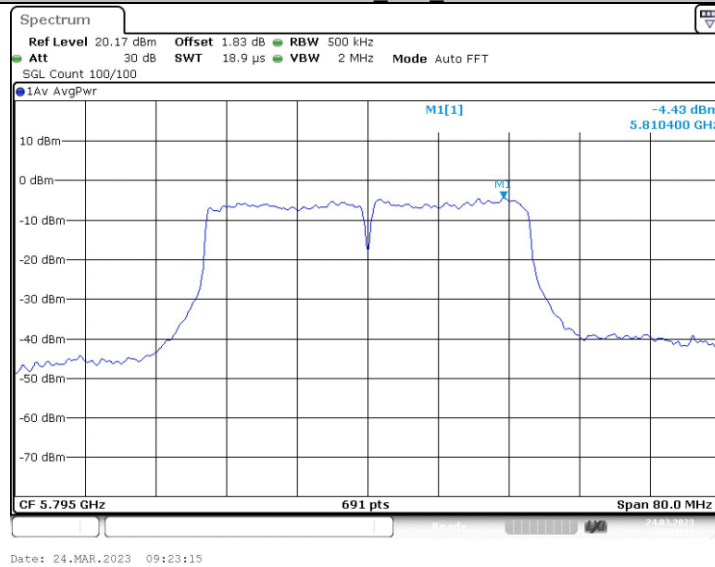


Date: 24.MAR.2023 09:20:38

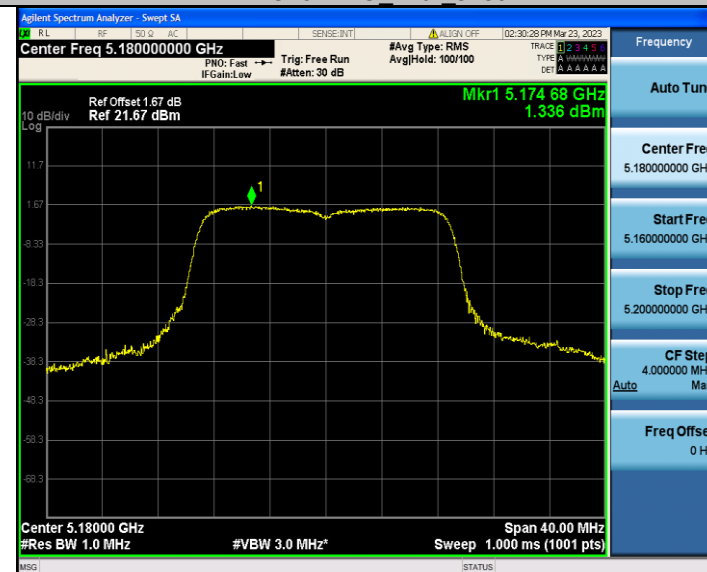
11N40MIMO_Ant1_5795



11N40MIMO_Ant2_5795



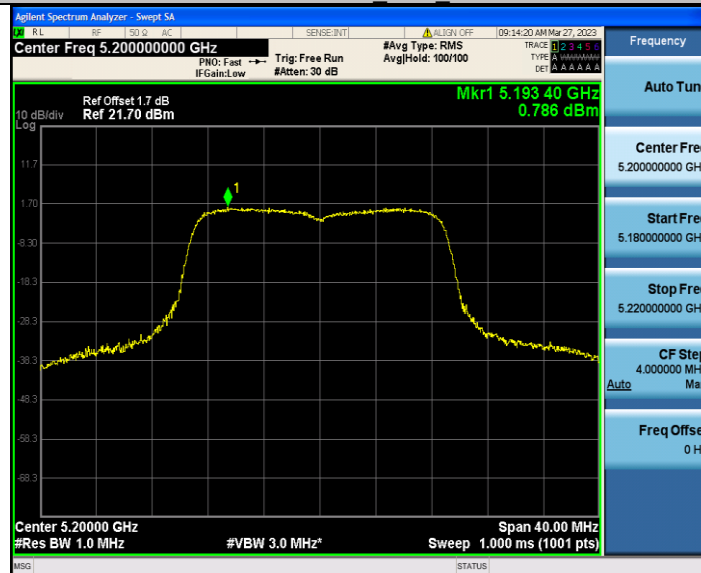
11AC20MIMO_Ant1_5180



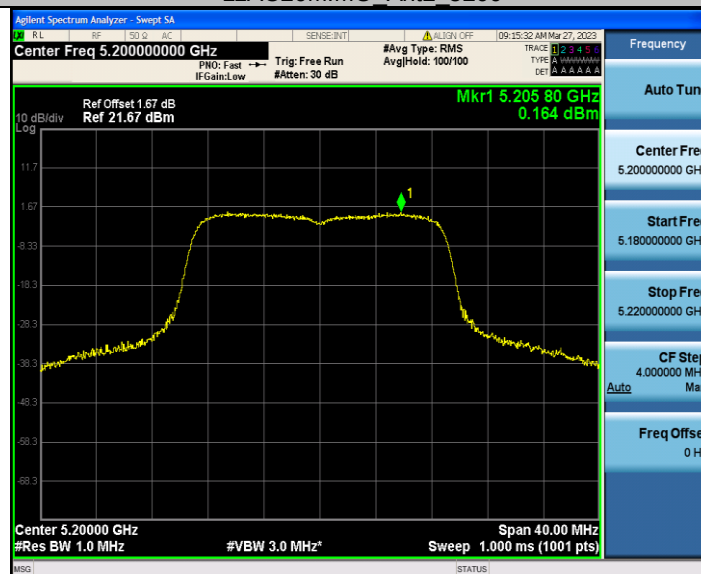
11AC20MIMO_Ant2_5180



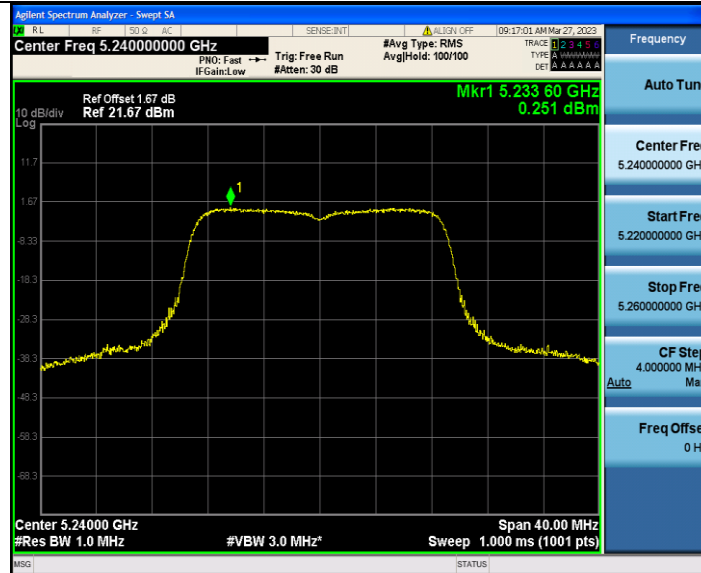
11AC20MIMO_Ant1_5200



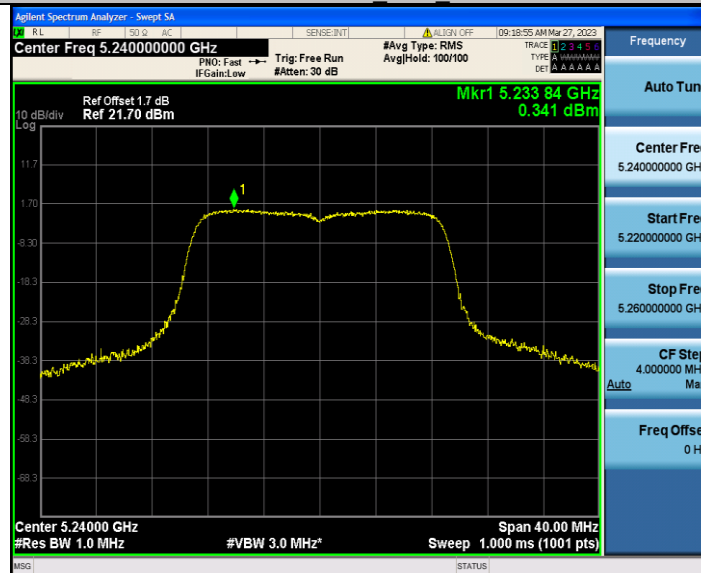
11AC20MIMO_Ant2_5200



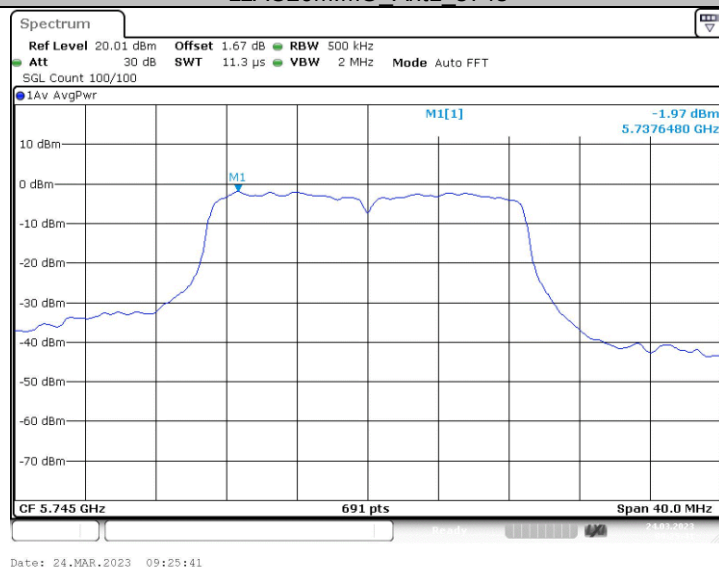
11AC20MIMO_Ant1_5240



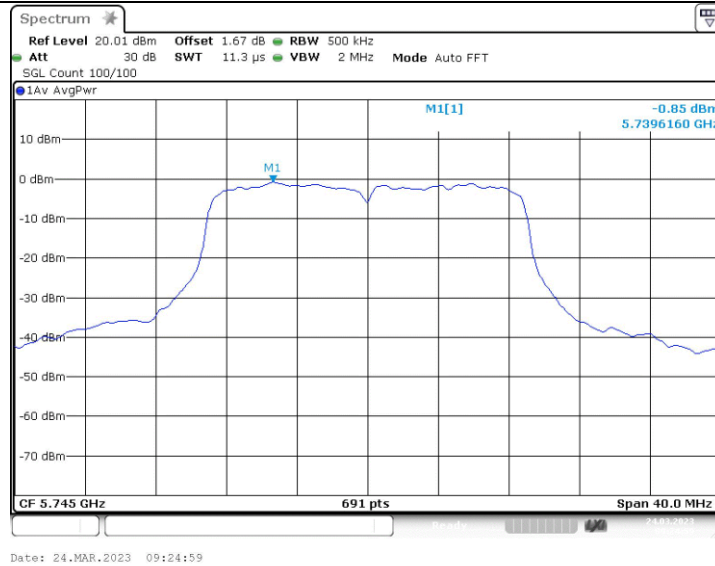
11AC20MIMO_Ant2_5240



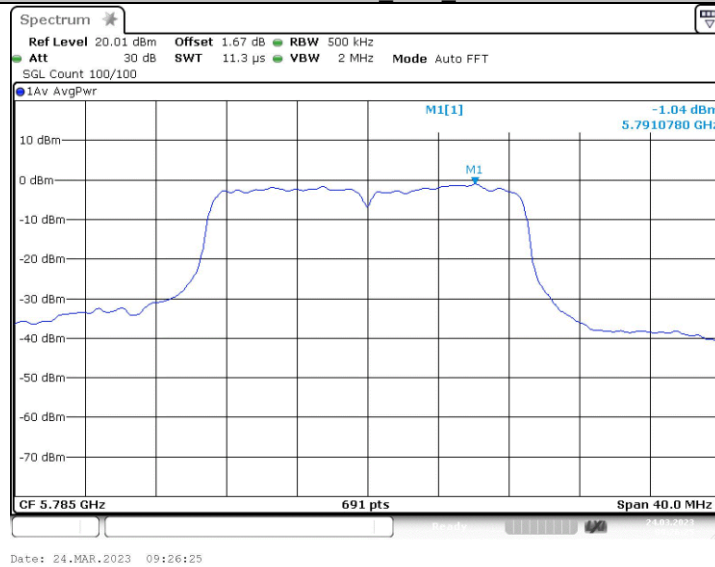
11AC20MIMO_Ant1_5745



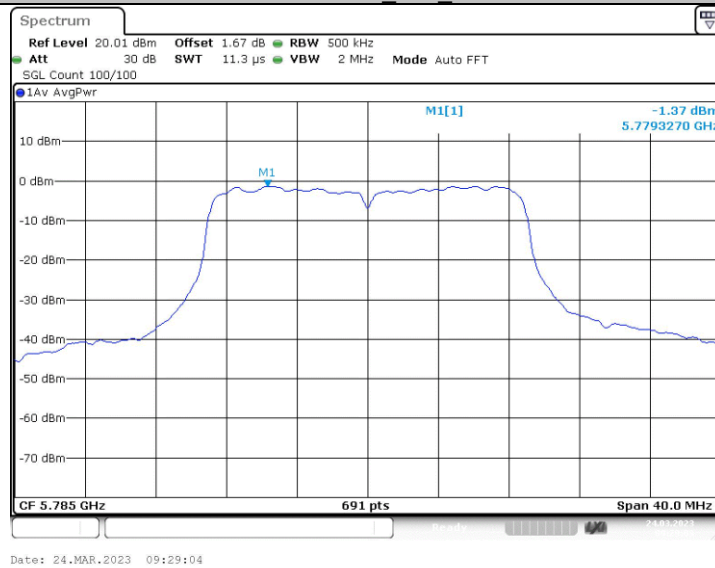
11AC20MIMO_Ant2_5745



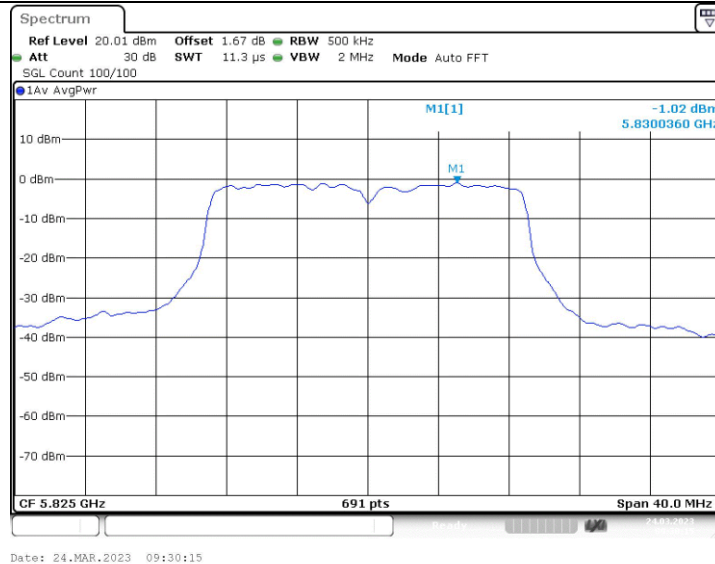
11AC20MIMO_Ant1_5785



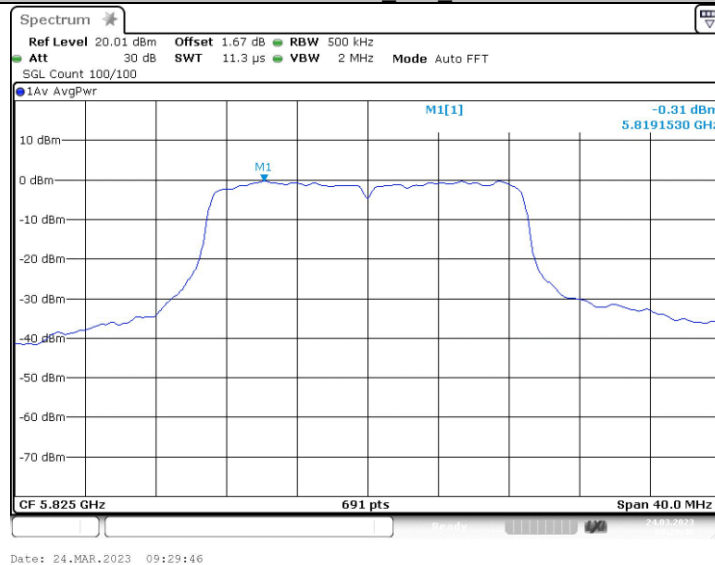
11AC20MIMO_An2_5785



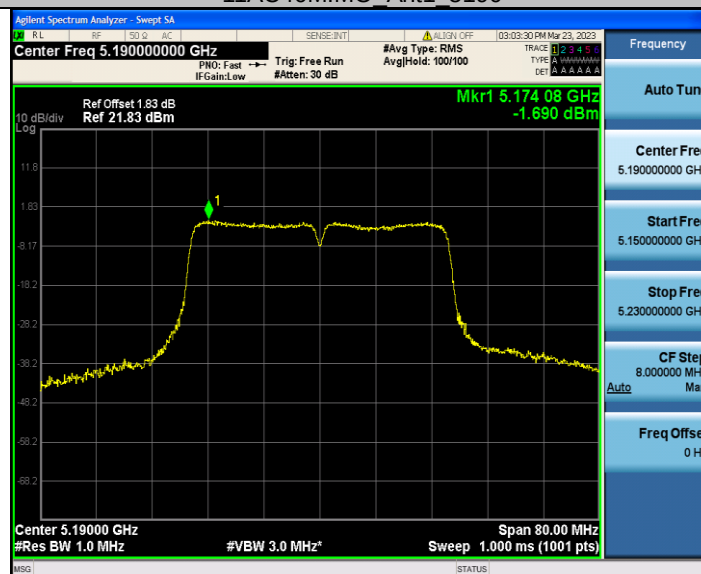
11AC20MIMO_Ant1_5825



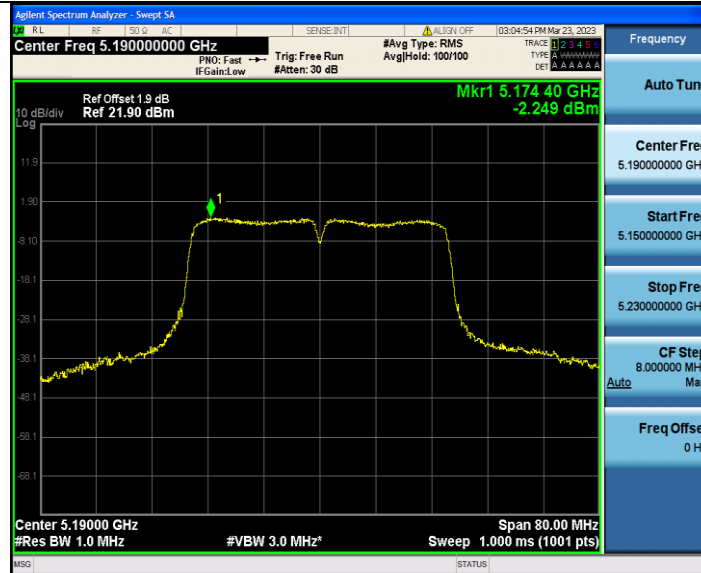
11AC20MIMO_An2_5825



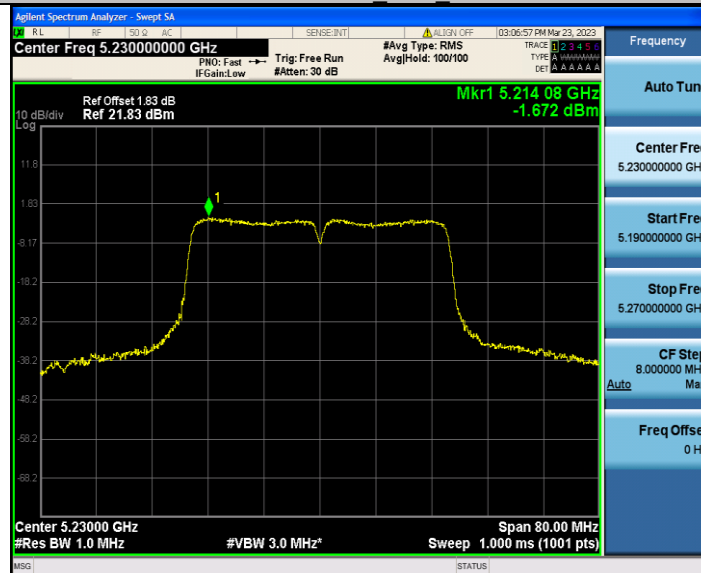
11AC40MIMO_Ant1_5190



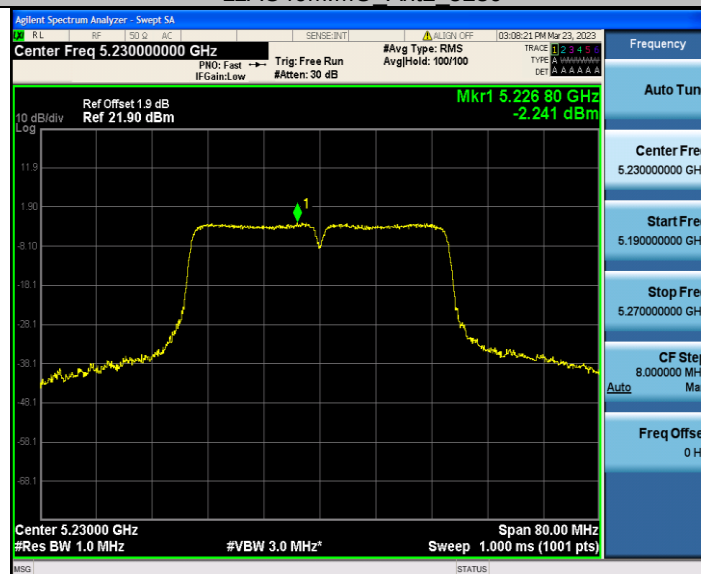
11AC40MIMO_Ant2_5190



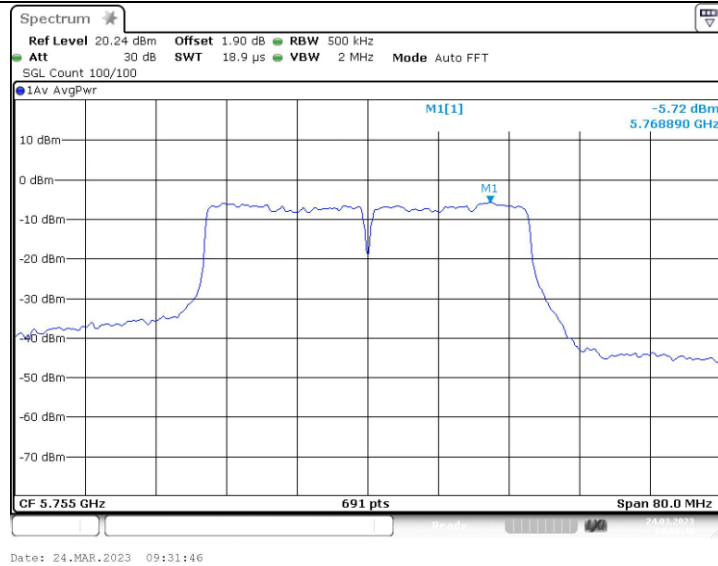
11AC40MIMO_Ant1_5230



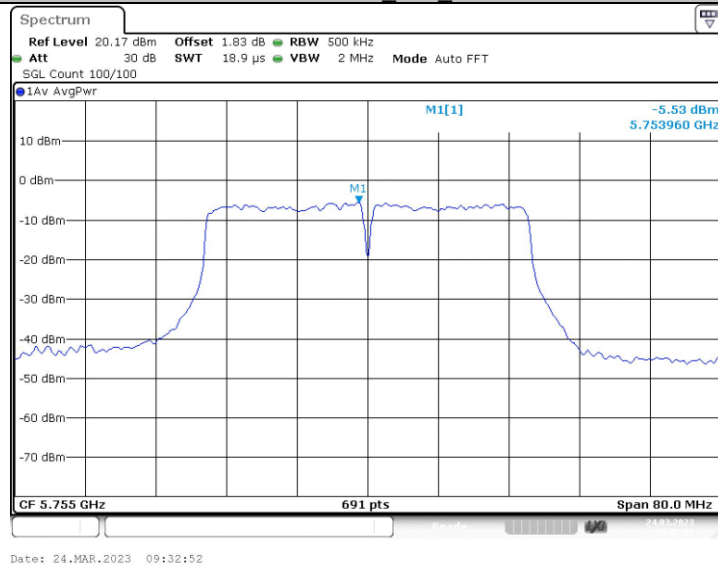
11AC40MIMO_Ant2_5230



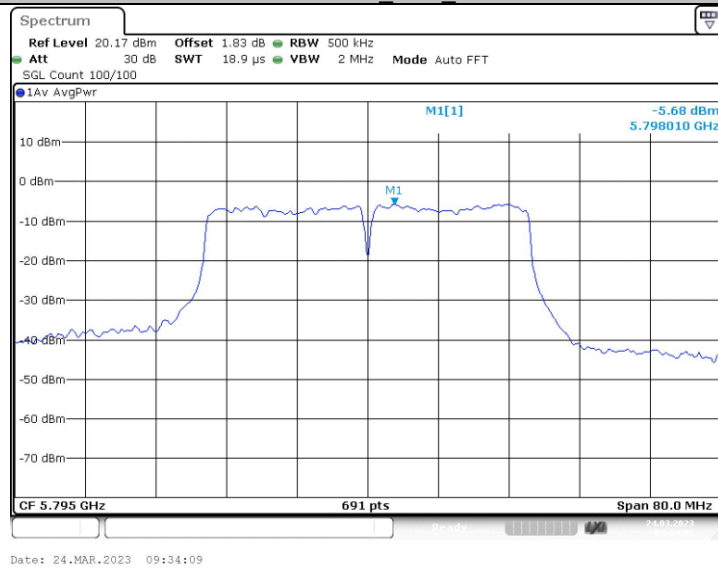
11AC40MIMO_Ant1_5755



11AC40MIMO_An2_5755



11AC40MIMO_An1_5795



11AC40MIMO_An2_5795

CTC Laboratories, Inc.

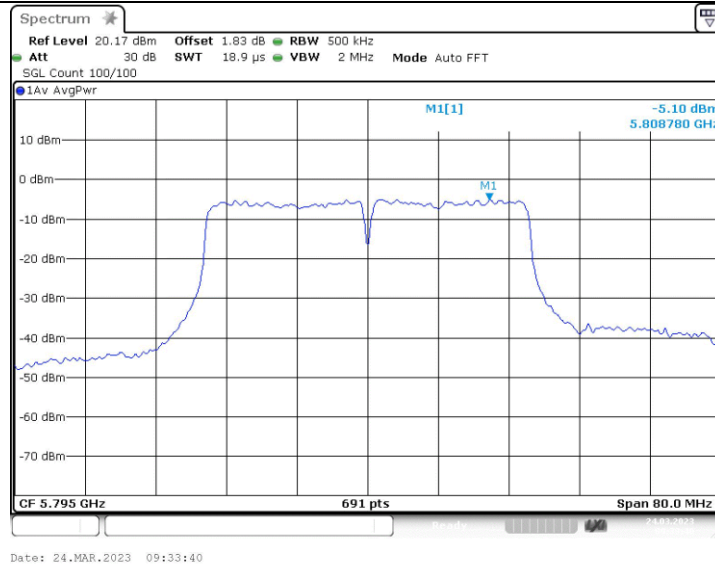
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

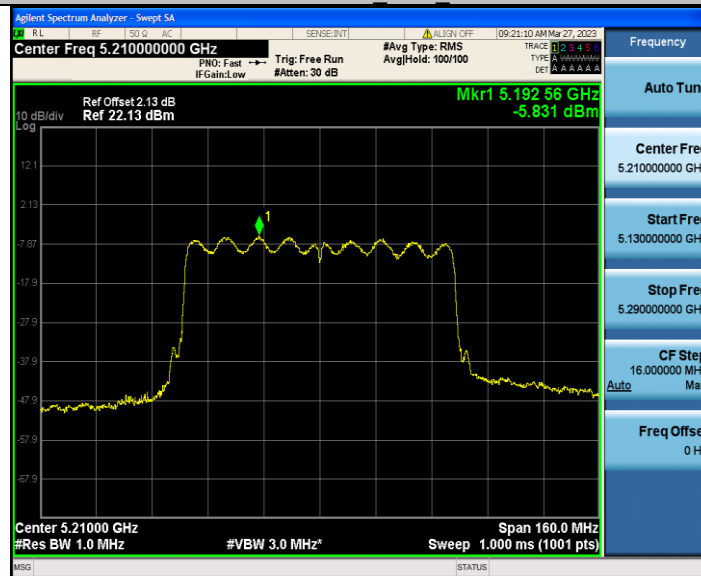
Fax: (86)755-27521011

Http://www.sz-ctc.org.cn

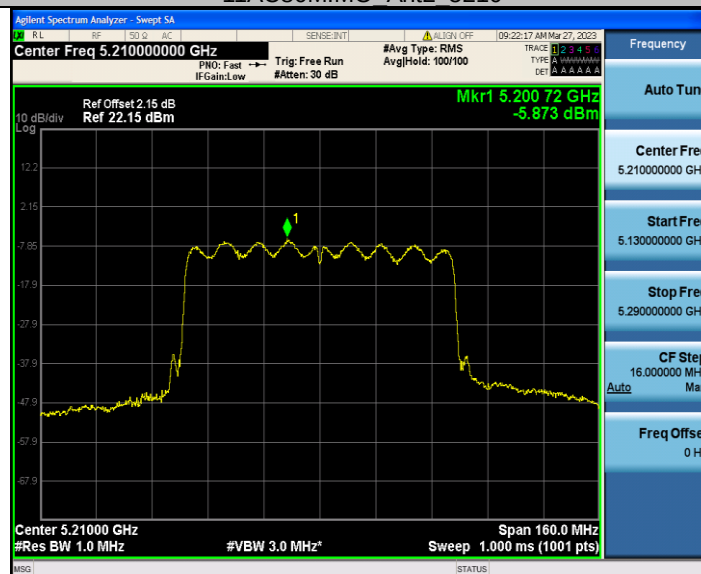
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



11AC80MIMO Ant1 5210



11AC80MIMO Ant2 5210



11AC80MIMO Ant1 5775

CTC Laboratories, Inc.

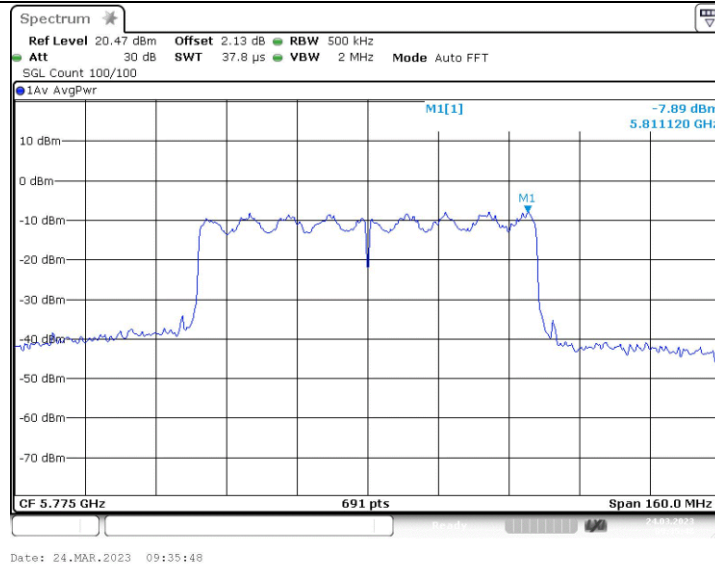
1-2/F, Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

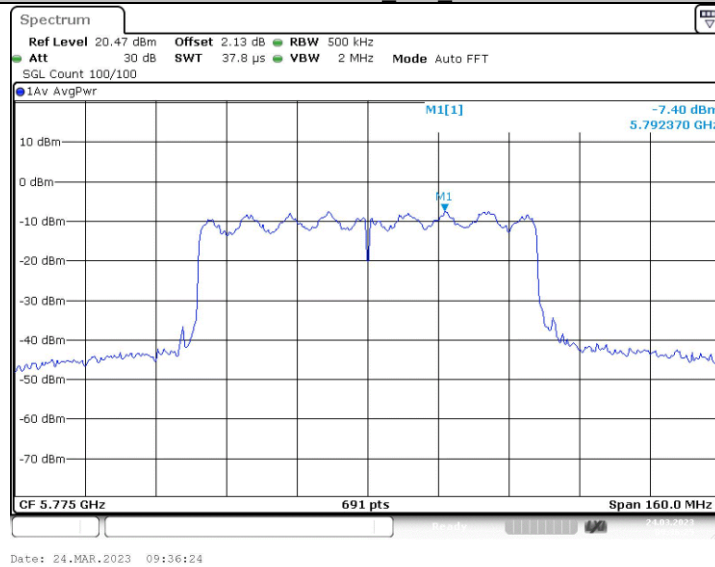
Fax: (86)755-27521011

Http://www.sz-ctc.org.cn

For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



11AC80MIMO_An2_5775

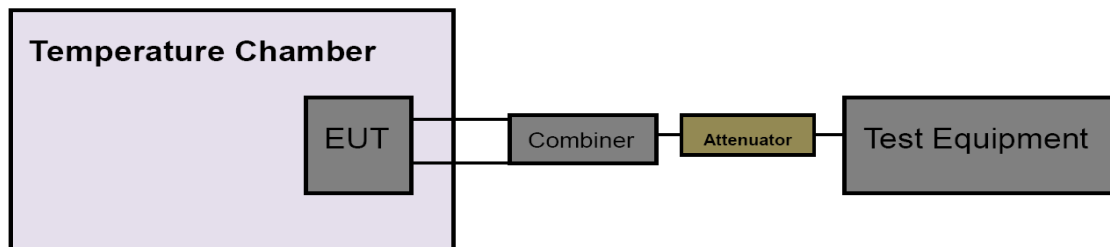


3.7. Frequency Stability Measurement

Limit

FCC Part 15 Subpart C(15.407)		
Test Item	Limit	Frequency Range(MHz)
Peak Excursion Measurement	Specified in the user's manual, the transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band (IEEE 802.11n specification)	5150~5250
		5250~5350
		5500~5700
		5725~5850

Test Configuration



Test Procedure

The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above.

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) Set analyzer center frequency to transmitting frequency.
- (3) Set the span to encompass the entire emissions bandwidth (EBW) of the signal.
- (4) Set the RBW to: 10MHz, VBW=10MHz with peak detector and maxhold settings.
- (5) The test extreme voltage is to change the primary supply voltage from 6.66V to 8.14V percent of the nominal value.
- (6) Extreme temperature is -10°C ~ 40°C

NOTE: The EUT was set to continuously transmitting in continuously un-modulation transmitting mode.
The limit for frequency stability is maintained within the band of operation.

Test Mode

Please refer to the clause 2.4.

Test Result