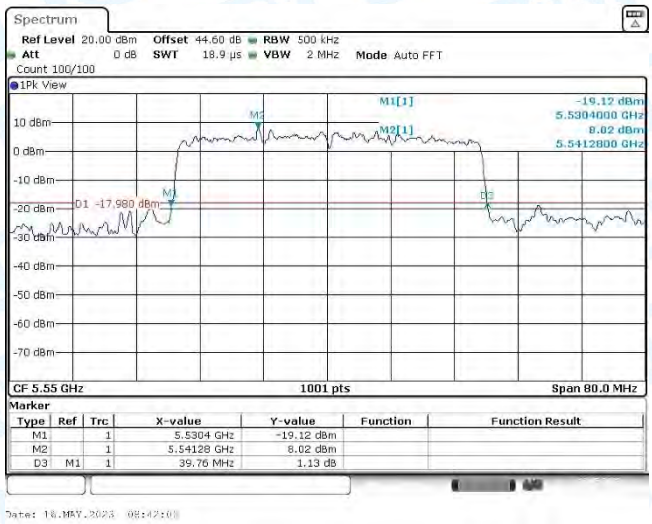
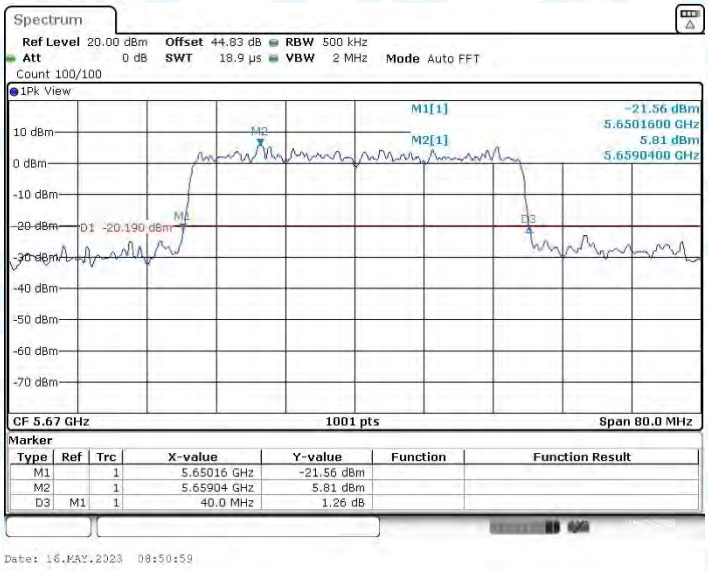
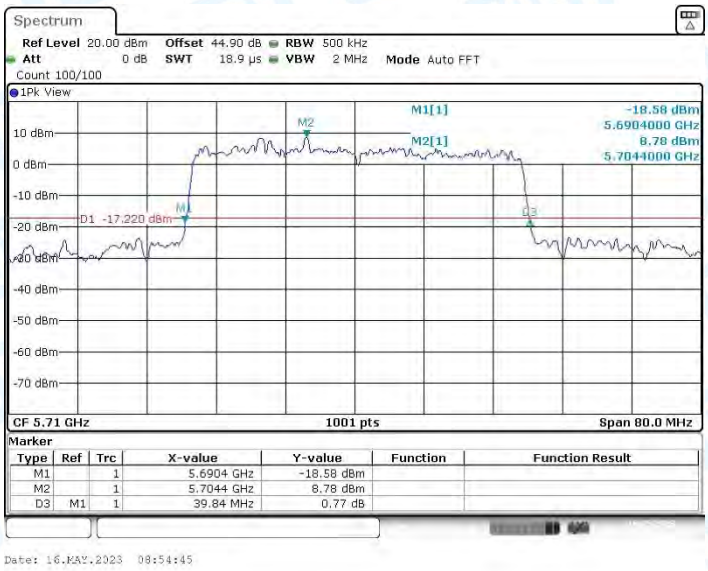


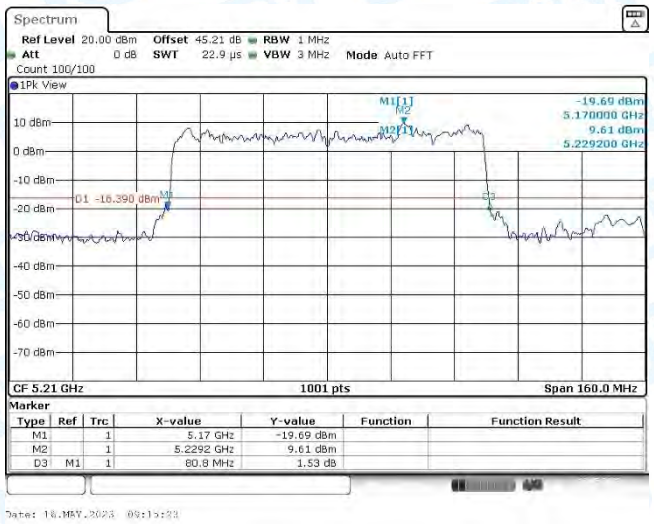
11AX40MIMO_Ant1&Ant.2_5550



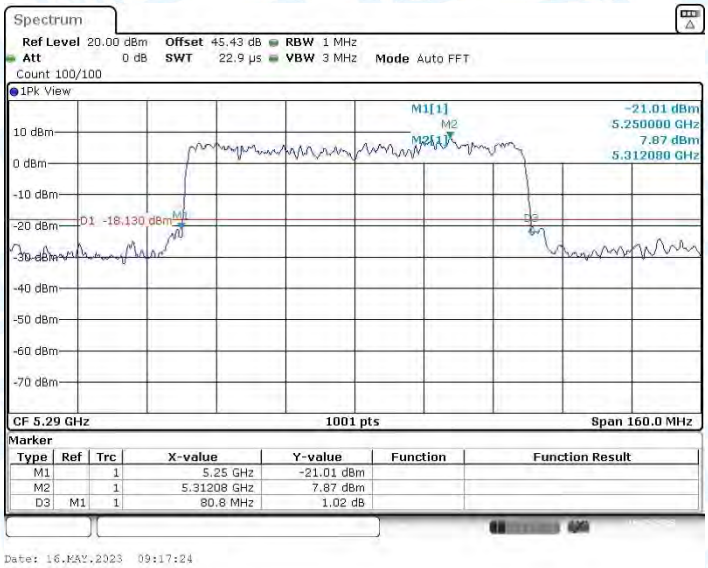
11AX40MIMO_Ant1&Ant.2_5670



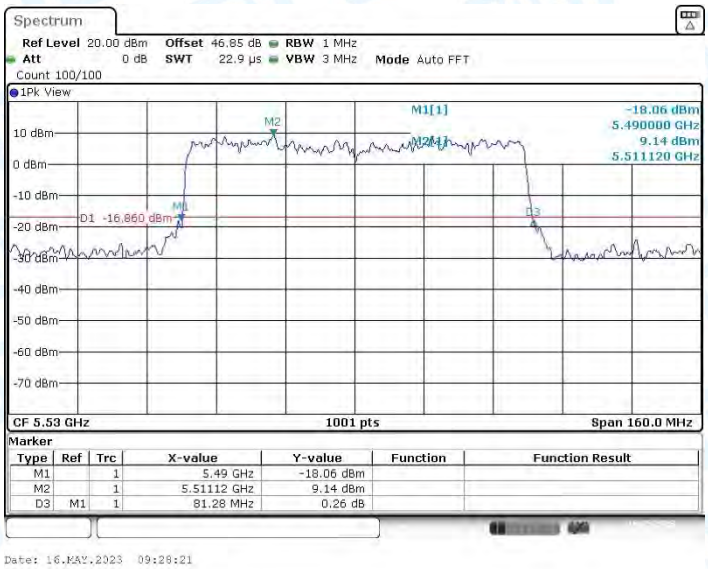
11AX40MIMO_Ant1&Ant.2_5710



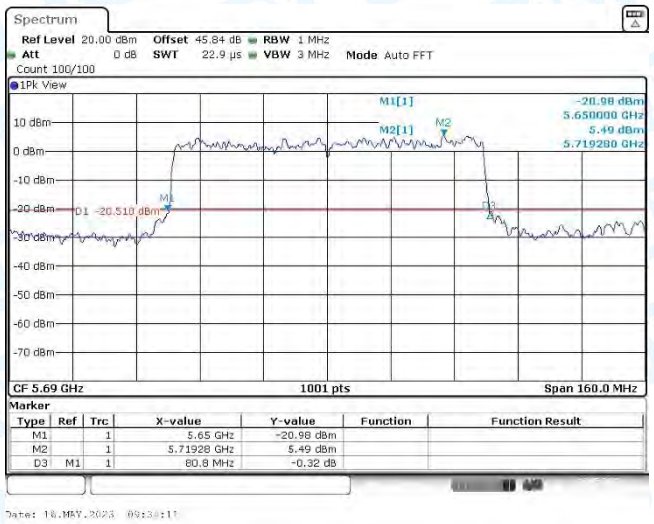
11AX80MIMO_Ant1&Ant.2_5210



11AX80MIMO_Ant1&Ant.2_5290



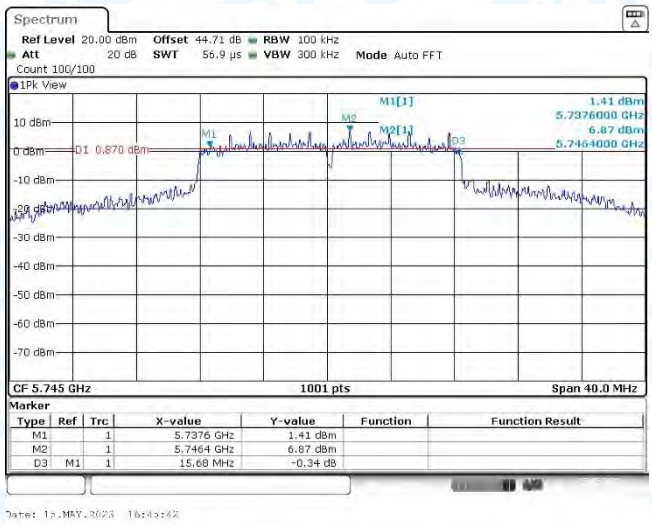
11AX80MIMO_Ant1&Ant.2_5530



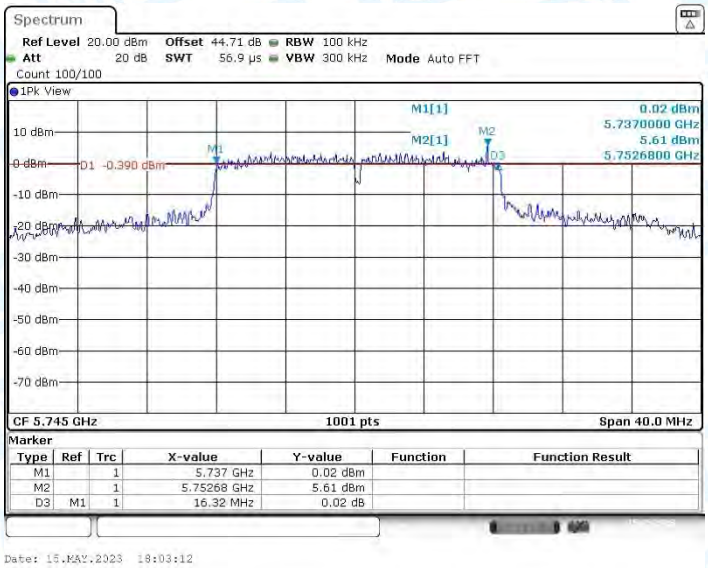
11AX80MIMO_Ant1&Ant.2_5690

---6dB Bandwidth Test (Radiation Measurements)

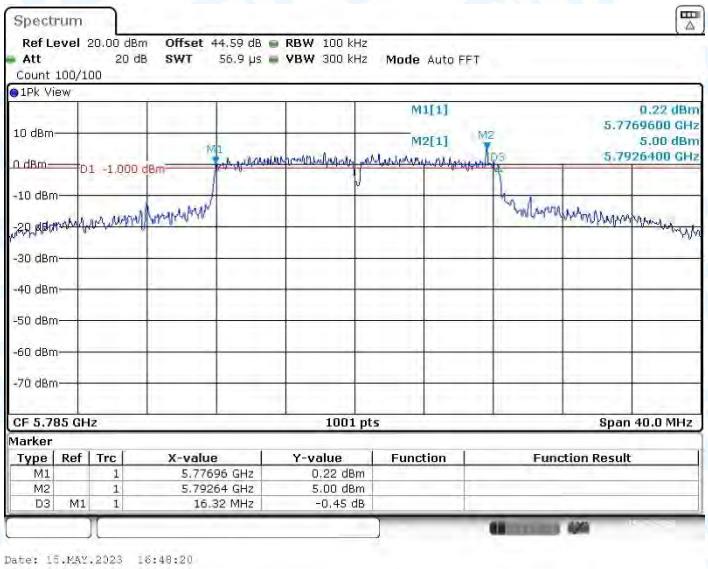
TestMode	Antenna	Channel	6dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.68	5737.60	5753.28	0.5	PASS
	Ant2	5745	16.32	5737.00	5753.32	0.5	PASS
	Ant1	5785	16.32	5776.96	5793.28	0.5	PASS
	Ant2	5785	16.28	5777.04	5793.32	0.5	PASS
	Ant1	5825	15.68	5817.00	5832.68	0.5	PASS
	Ant2	5825	16.44	5816.92	5833.36	0.5	PASS
11N20MIMO	Ant1&Ant2	5745	17.56	5736.64	5754.20	0.5	PASS
		5785	16.32	5777.88	5794.20	0.5	PASS
		5825	15.12	5817.96	5833.08	0.5	PASS
11N40MIMO	Ant1&Ant2	5755	35.12	5737.80	5772.92	0.5	PASS
		5795	32.64	5779.08	5811.72	0.5	PASS
11AC20MIMO	Ant1&Ant2	5745	17.56	5736.64	5754.20	0.5	PASS
		5785	15.88	5777.68	5793.56	0.5	PASS
		5825	17.60	5816.72	5834.32	0.5	PASS
11AC40MIMO	Ant1&Ant2	5755	30.16	5740.28	5770.44	0.5	PASS
		5795	36.40	5777.16	5813.56	0.5	PASS
11AC80MIMO	Ant1&Ant2	5775	76.32	5736.92	5813.24	0.5	PASS
11AX20MIMO	Ant1&Ant2	5745	17.04	5736.80	5753.84	0.5	PASS
		5785	17.68	5776.60	5794.28	0.5	PASS
		5825	18.84	5815.96	5834.80	0.5	PASS
11AX40MIMO	Ant1&Ant2	5755	37.92	5736.52	5774.44	0.5	PASS
		5795	37.92	5776.52	5814.44	0.5	PASS
11AX80MIMO	Ant1&Ant2	5775	77.92	5735.96	5813.88	0.5	PASS



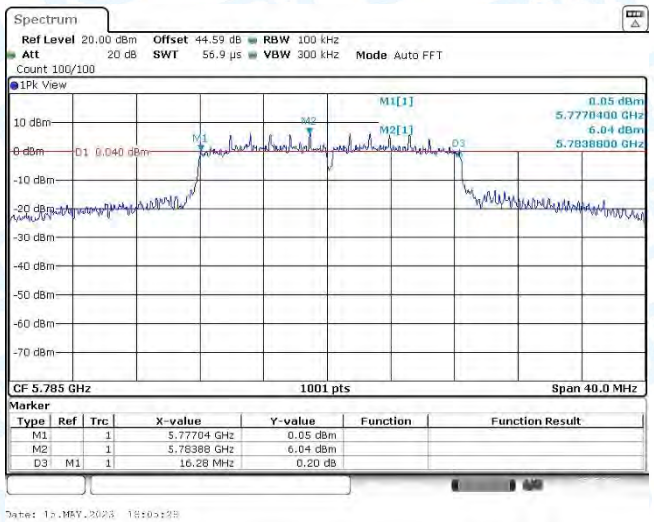
11A_Ant1_5745



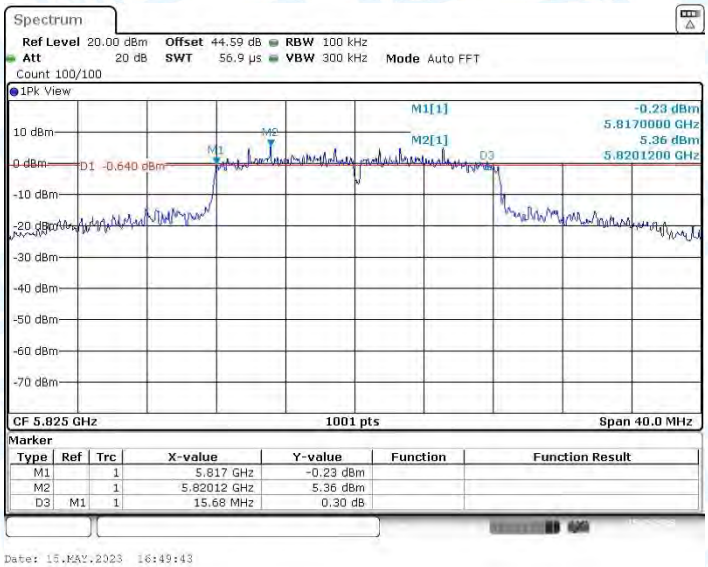
11A_Ant2_5745



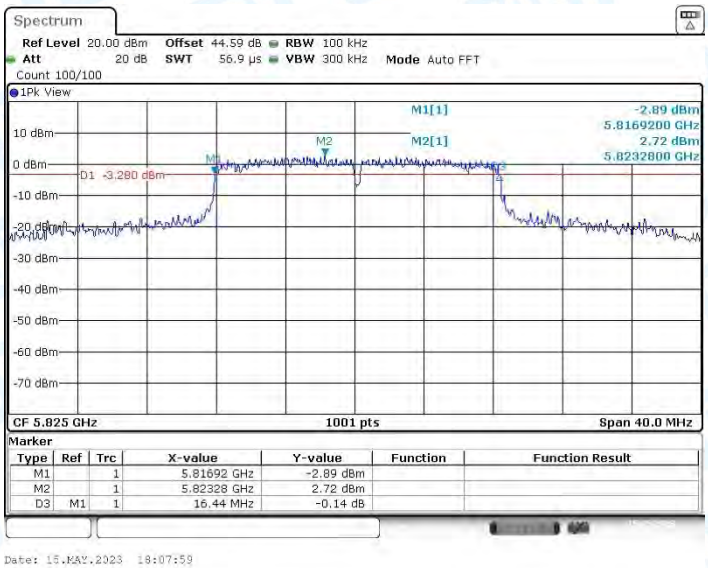
11A_Ant1_5785



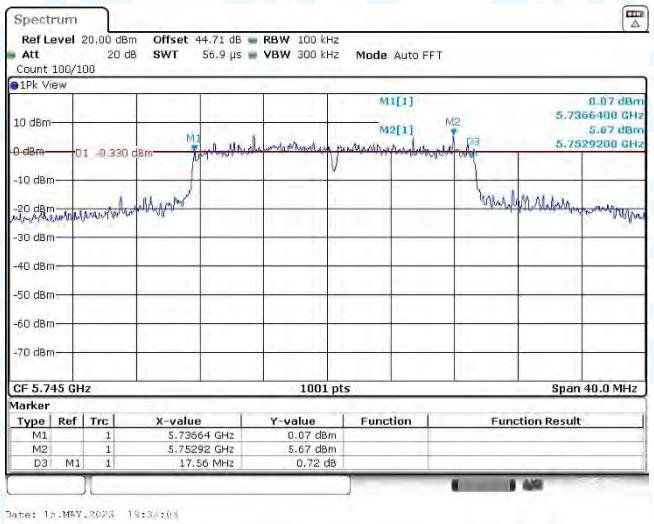
11A_Ant2_5785



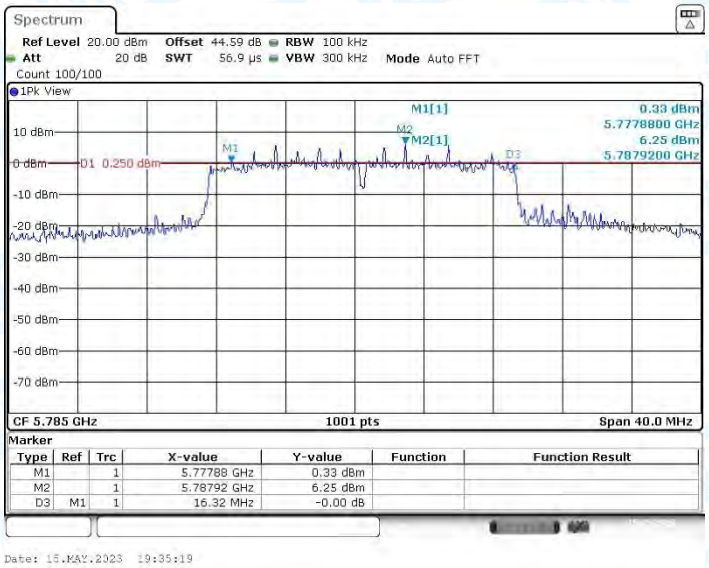
11A_Ant1_5825



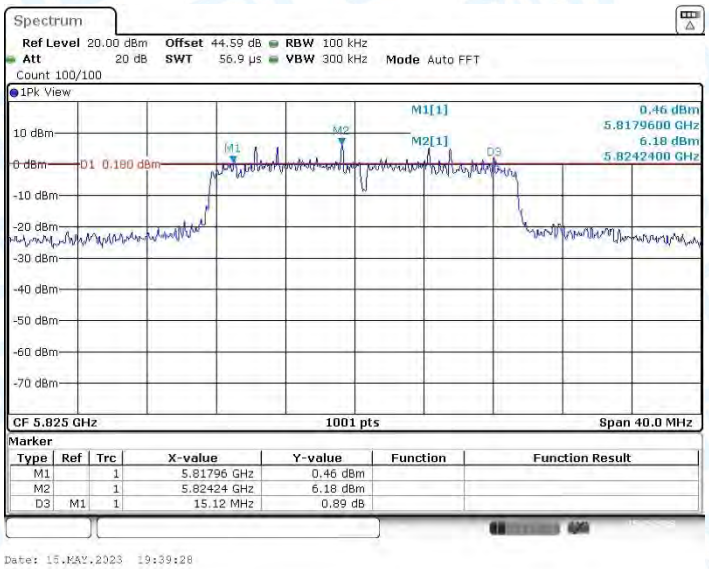
11A_Ant2_5825



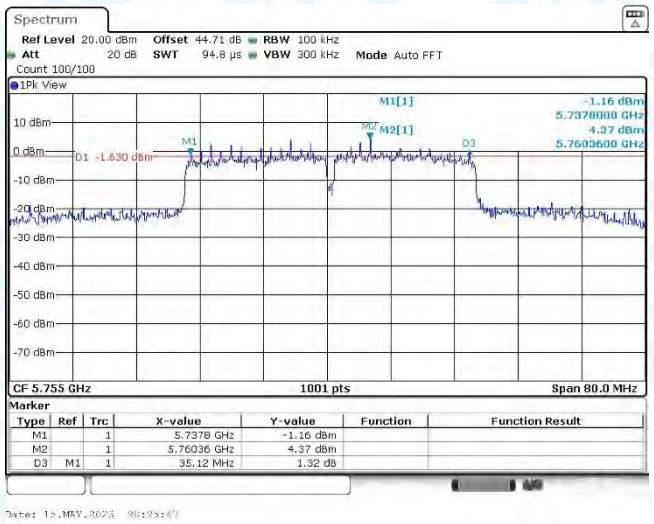
11N20MIMO_Ant1&Ant.2_5745



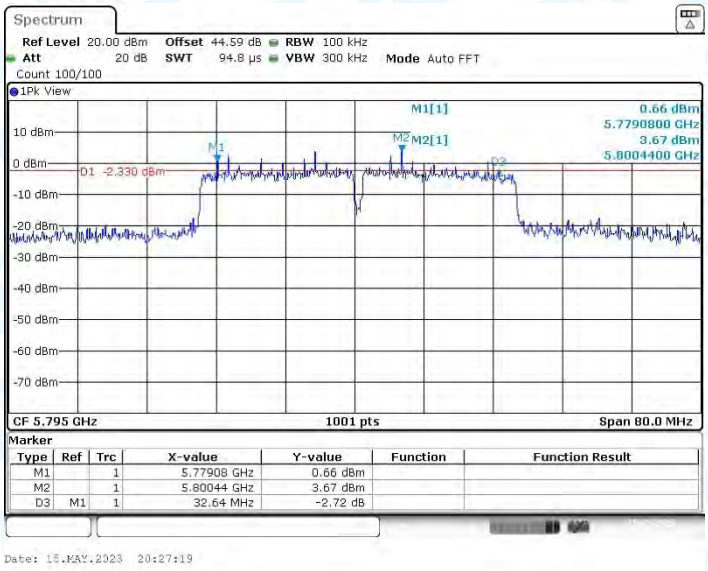
11N20MIMO_Ant1&Ant.2_5785



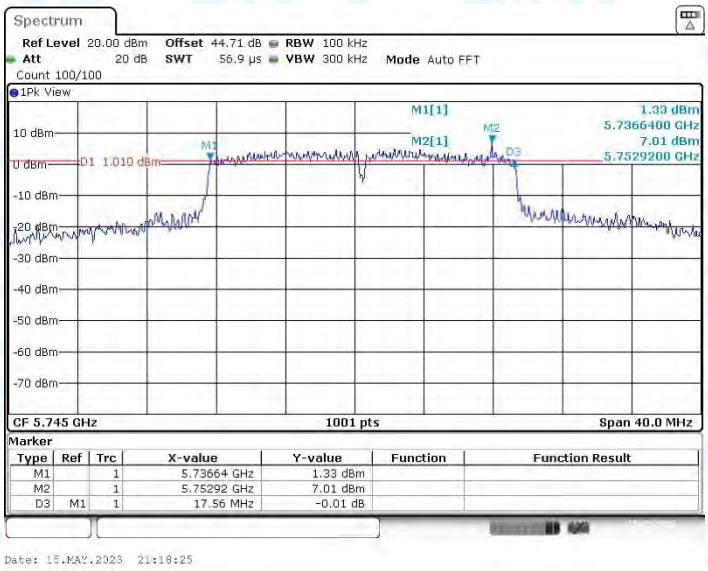
11N20MIMO_Ant1&Ant.2_5825



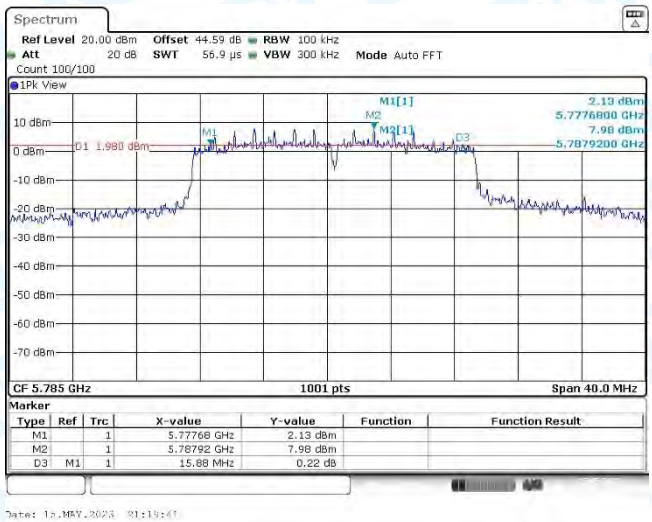
11N40MIMO_Ant1&Ant.2_5755



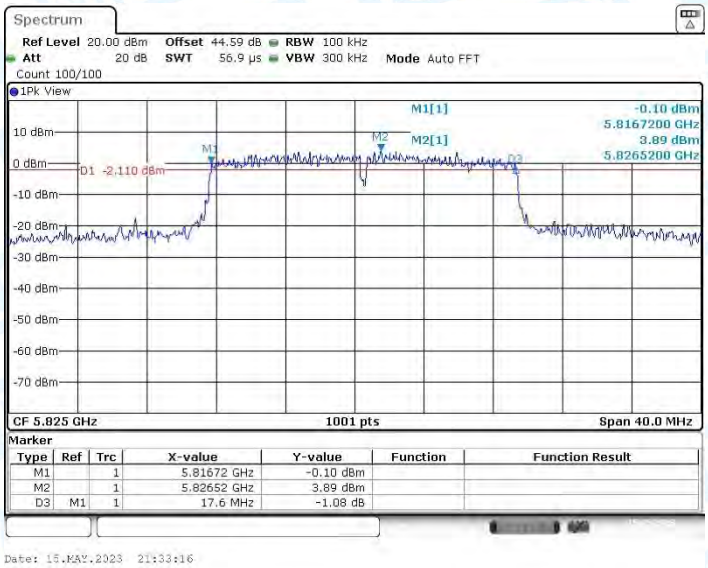
11N40MIMO_Ant1&Ant.2_5795



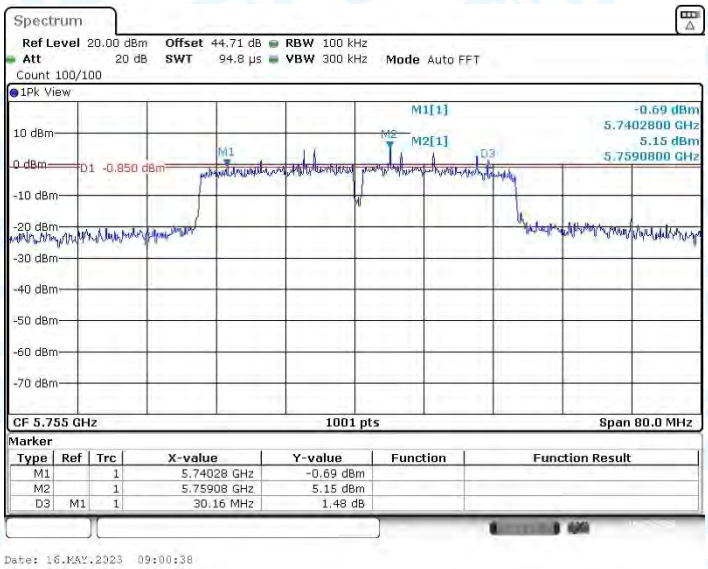
11AC20MIMO_Ant1&Ant.2_5745



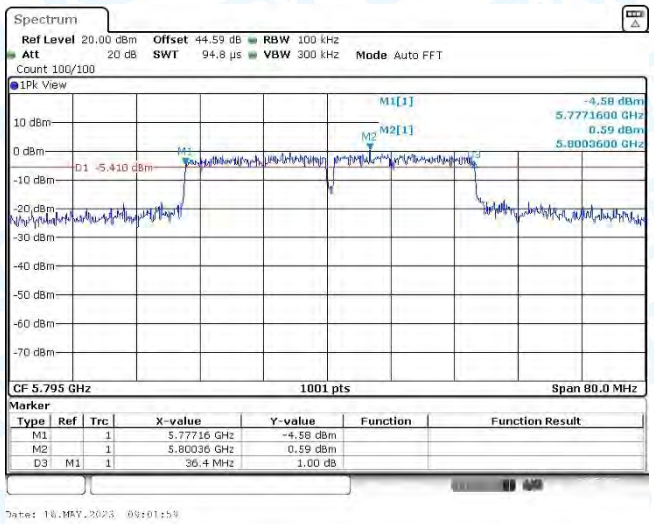
11AC20MIMO_Ant1&Ant.2_5785



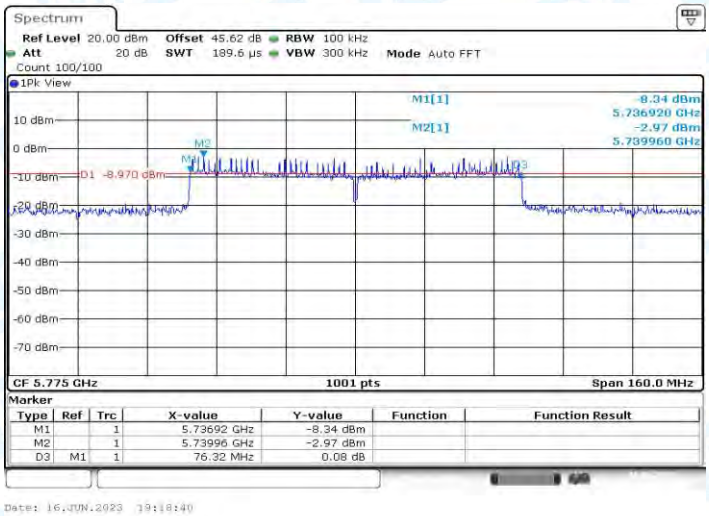
11AC20MIMO_Ant1&Ant.2_5825



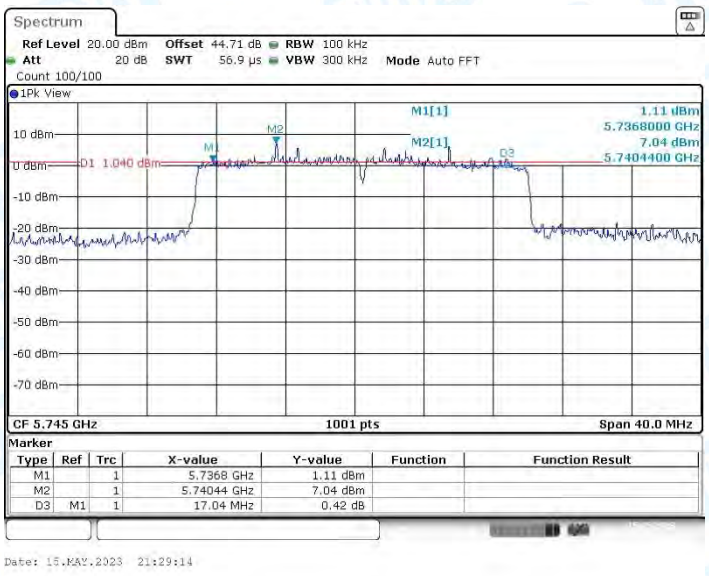
11AC40MIMO_Ant1&Ant.2_5755



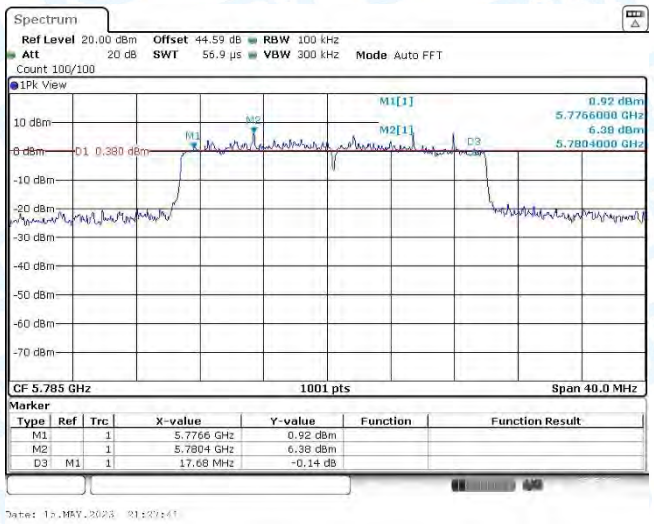
11AC40MIMO_Ant1&Ant.2_5795



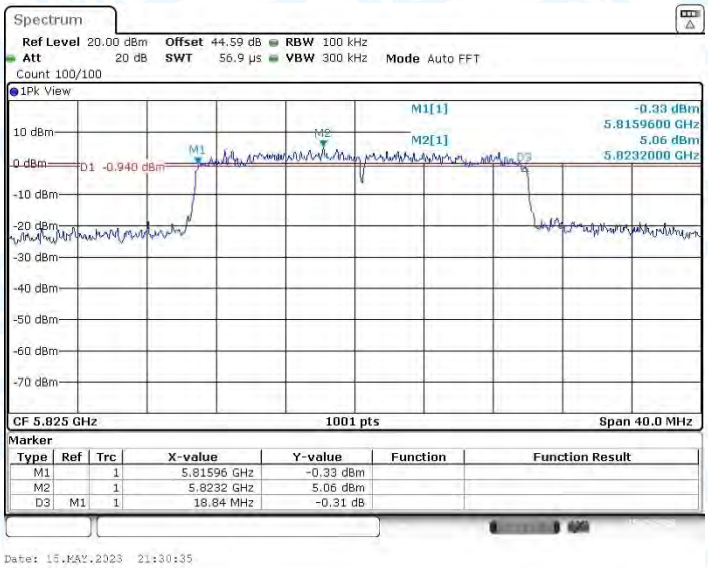
11AC80MIMO_Ant1&Ant.2_5775



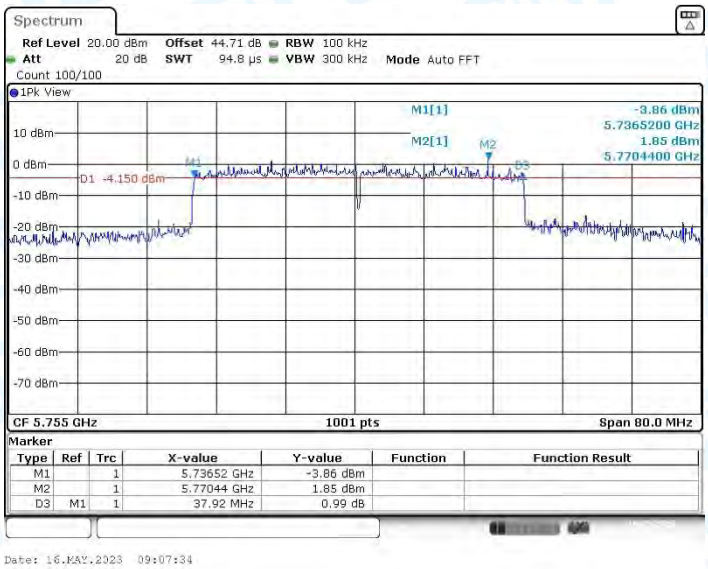
11AX20MIMO_Ant1&Ant.2_5745



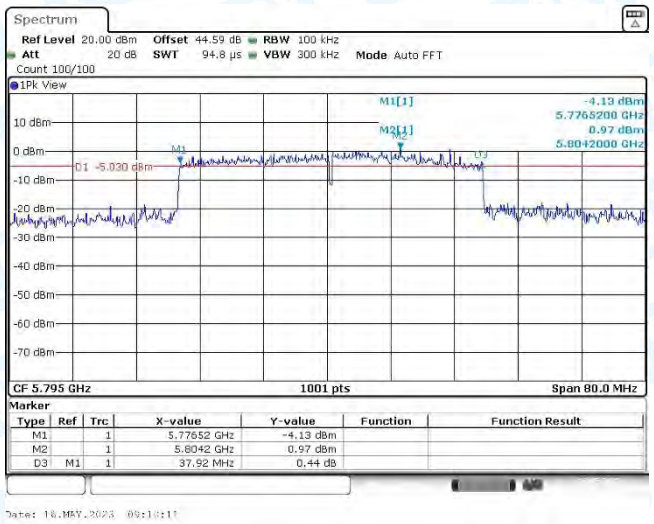
11AX20MIMO_Ant1&Ant.2_5785



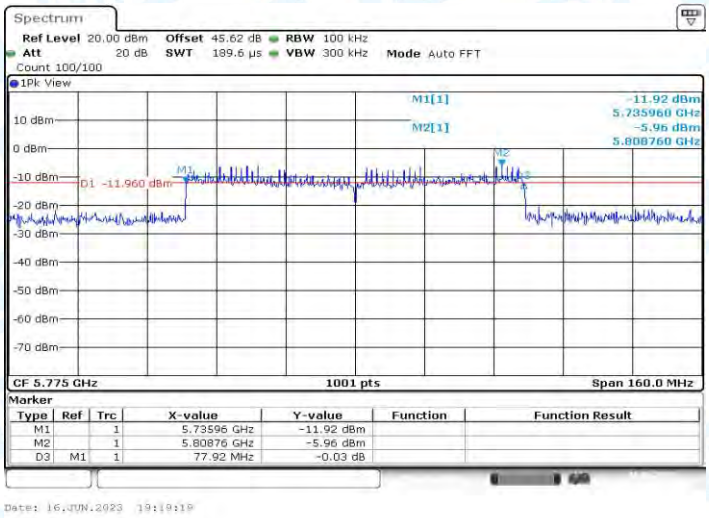
11AX20MIMO_Ant1&Ant.2_5825



11AX40MIMO_Ant1&Ant.2_5755



11AX40MIMO_Ant1&Ant.2_5795



11AX80MIMO_Ant1&Ant.2_5775

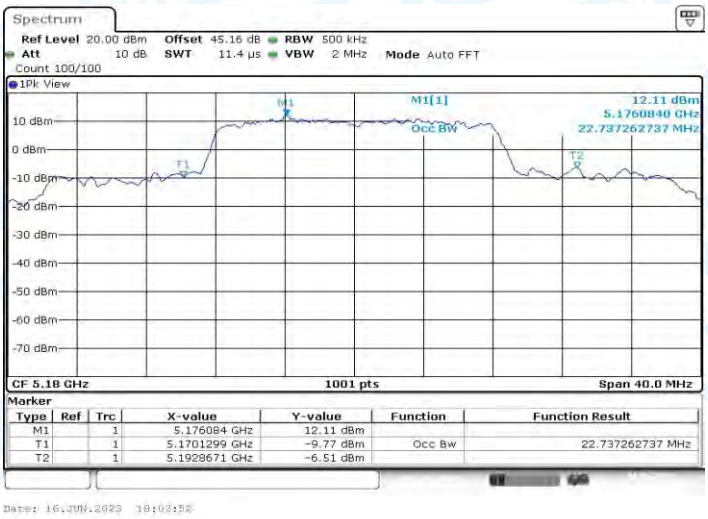
---99% Bandwidth Test (Radiation Measurements)

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	19.54	5170.9291	5190.4695	---	---
	Ant2	5180	22.737	5170.1299	5192.8671	---	---
	Ant1	5200	21.219	5191.6883	5212.9071	---	---
	Ant2	5200	16.943	5191.5684	5208.5115	---	---
	Ant1	5240	18.022	5231.3686	5249.3906	---	---
	Ant2	5240	16.943	5231.5684	5248.5115	---	---
	Ant1	5260	17.103	5251.4885	5268.5914	---	---
	Ant2	5260	18.342	5250.8092	5269.1508	---	---
	Ant1	5280	16.783	5271.6484	5288.4316	---	---
	Ant2	5280	20.14	5269.6903	5289.8302	---	---
	Ant1	5320	16.663	5311.8082	5328.4715	---	---
	Ant2	5320	18.621	5311.1688	5329.7902	---	---
	Ant1	5500	16.823	5491.7682	5508.5914	---	---
	Ant2	5500	23.217	5490.8891	5514.1059	---	---
	Ant1	5580	16.743	5571.7682	5588.5115	---	---
	Ant2	5580	17.023	5571.5285	5588.5514	---	---
	Ant1	5700	16.783	5691.6883	5708.4715	---	---
	Ant2	5700	17.782	5691.5684	5709.3506	---	---
	Ant1	5720	17.183	5711.6883	5728.8711	---	---
	Ant2	5720	18.861	5711.4885	5730.3497	---	---
	Ant1	5720_UNII-2C	13.312	5711.6883	5725	---	---
	Ant2	5720_UNII-2C	13.511	5711.4885	5725	---	---
	Ant1	5720_UNII-3	3.871	5725	5728.8711	---	---
	Ant2	5720_UNII-3	5.35	5725	5730.3497	---	---
	Ant1	5745	26.853	5733.1319	5759.9850	---	---
	Ant2	5745	21.618	5736.1688	5757.7872	---	---
	Ant1	5785	26.653	5773.0919	5799.7453	---	---
	Ant2	5785	21.658	5775.9690	5797.6274	---	---
	Ant1	5825	17.103	5816.6883	5833.7912	---	---
	Ant2	5825	21.419	5814.5704	5835.9890	---	---
11N20MIMO	Ant1	5180	17.822	5171.0889	5188.9111	---	---
		5200	17.942	5191.0490	5208.9910	---	---
		5240	17.902	5231.0490	5248.9510	---	---
		5260	17.862	5251.0889	5268.9510	---	---
		5280	17.982	5271.0490	5289.0310	---	---
		5320	17.982	5311.0090	5328.9910	---	---
		5500	19.62	5491.0490	5510.6693	---	---
		5580	17.822	5571.1289	5588.9510	---	---
		5700	19.381	5690.9690	5710.3497	---	---
		5720	19.381	5710.9291	5730.3097	---	---
		5720_UNII-2C	14.071	5710.9291	5725	---	---
		5720_UNII-3	5.31	5725	5730.3097	---	---
		5745	21.538	5735.6094	5757.1479	---	---
		5785	22.378	5775.6494	5798.0270	---	---
		5825	21.379	5815.6494	5837.0280	---	---
11N40MIMO	Ant1	5190	44.276	5171.2987	5215.5744	---	---
		5230	43.157	5211.4585	5254.6154	---	---
		5270	36.444	5251.7782	5288.2218	---	---
		5310	36.763	5291.6184	5328.3816	---	---
		5510	37.483	5491.6983	5529.1808	---	---
		5550	36.683	5531.6184	5568.3017	---	---
		5670	43.716	5651.6983	5695.4146	---	---
		5710	36.444	5691.7782	5728.2218	---	---
		5710_UNII-2C	33.222	5691.7782	5725	---	---
		5710_UNII-3	3.222	5725	5728.2218	---	---
		5755	42.837	5736.6983	5779.5355	---	---

		5795	40.679	5776.6184	5817.2977	---	---
11AC20MIMO	Ant1	5180	22.138	5170.8891	5193.0270	---	---
		5200	18.302	5191.0490	5209.3506	---	---
		5240	18.621	5230.9291	5249.5504	---	---
		5260	18.981	5250.9690	5269.9500	---	---
		5280	20.06	5269.0110	5289.0709	---	---
		5320	18.182	5310.8891	5329.0709	---	---
		5500	19.94	5490.9291	5510.8691	---	---
		5580	21.578	5571.0490	5592.6274	---	---
		5700	18.102	5691.0889	5709.1908	---	---
		5720	17.942	5711.0490	5728.9910	---	---
		5720_UNII-2C	13.951	5711.0490	5725	---	---
		5720_UNII-3	3.991	5725	5728.9910	---	---
		5745	24.096	5734.0110	5758.1069	---	---
		5785	23.417	5774.9700	5798.3866	---	---
		5825	23.776	5813.7313	5837.5075	---	---
11AC40MIMO	Ant1	5190	36.523	5171.7782	5208.3017	---	---
		5230	37.403	5211.6184	5249.0210	---	---
		5270	43.796	5251.6184	5295.4146	---	---
		5310	37.083	5291.6184	5328.7013	---	---
		5510	36.603	5491.7782	5528.3816	---	---
		5550	36.683	5531.6983	5568.3816	---	---
		5670	36.683	5651.6983	5688.3816	---	---
		5710	36.603	5691.6983	5728.3017	---	---
		5710_UNII-2C	33.302	5691.6983	5725	---	---
		5710_UNII-3	3.302	5725	5728.3017	---	---
		5755	47.712	5734.3007	5782.0130	---	---
		5795	49.071	5774.1409	5823.2118	---	---
11AC80MIMO	Ant1	5210	77.682	5171.4785	5249.1608	---	---
		5290	78.482	5250.3596	5328.8412	---	---
		5530	77.682	5491.1588	5568.8412	---	---
		5690	80.4	5651.1588	5731.5584	---	---
		5690_UNII-2C	73.841	5651.1588	5725	---	---
		5690_UNII-3	6.558	5725	5731.5584	---	---
		5775	98.302	5722.4126	5820.7143	---	---
11AX20MIMO	Ant1	5180	19.141	5170.4496	5189.5904	---	---
		5200	19.101	5190.4496	5209.5504	---	---
		5240	19.101	5230.4496	5249.5504	---	---
		5260	19.221	5250.3297	5269.5504	---	---
		5280	19.101	5270.4096	5289.5105	---	---
		5320	19.141	5310.4096	5329.5504	---	---
		5500	19.341	5490.3297	5509.6703	---	---
		5580	19.141	5570.4496	5589.5904	---	---
		5700	19.101	5690.4496	5709.5504	---	---
		5720	19.141	5710.4096	5729.5504	---	---
		5720_UNII-2C	14.59	5710.4096	5725	---	---
		5720_UNII-3	4.55	5725	5729.5504	---	---
		5745	20.579	5735.2897	5755.8691	---	---
		5785	21.379	5775.2498	5796.6284	---	---
		5825	20.26	5815.2498	5835.5095	---	---
11AX40MIMO	Ant1	5190	38.122	5170.9790	5209.1009	---	---
		5230	38.282	5210.8192	5249.1009	---	---
		5270	38.202	5250.8991	5289.1009	---	---
		5310	38.362	5290.8192	5329.1808	---	---
		5510	38.362	5490.8991	5529.2607	---	---
		5550	38.362	5530.9790	5569.3407	---	---
		5670	38.042	5651.0589	5689.1009	---	---
		5710	38.122	5691.0589	5729.1808	---	---
		5710_UNII-2C	33.941	5691.0589	5725	---	---

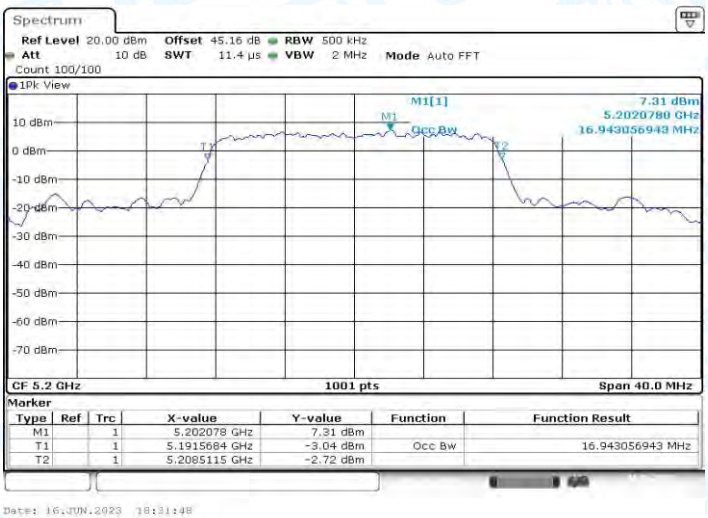
		5710_UNII-3	4.181	5725	5729.1808	---	---
		5755	45.634	5735.4196	5781.0539	---	---
		5795	49.231	5774.7802	5824.0110	---	---
11AX80MIMO	Ant1	5210	78.801	5170.6793	5249.4805	---	---
		5290	78.801	5250.5195	5329.3207	---	---
		5530	79.121	5490.8392	5569.9600	---	---
		5690	78.801	5650.5195	5729.3207	---	---
		5690_UNII-2C	74.48	5650.5195	5725	---	---
		5690_UNII-3	4.321	5725	5729.3207	---	---
		5775	87.912	5730.2448	5818.1568	---	---

11A_Ant1_5180



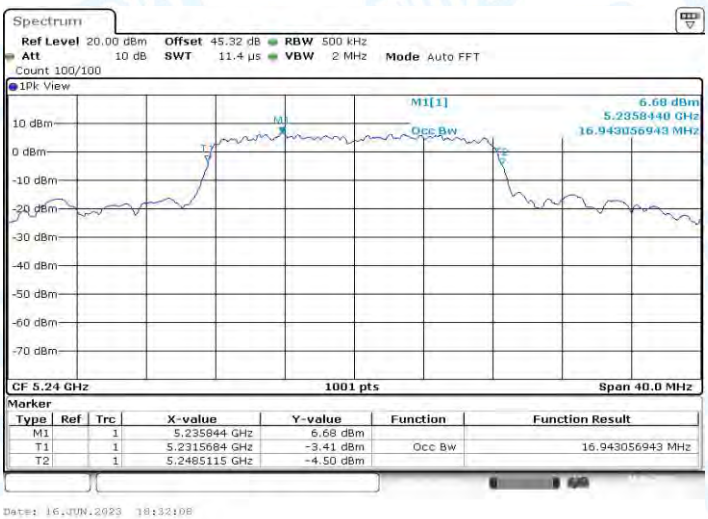
11A_Ant2_5180

11A_Ant1_5200



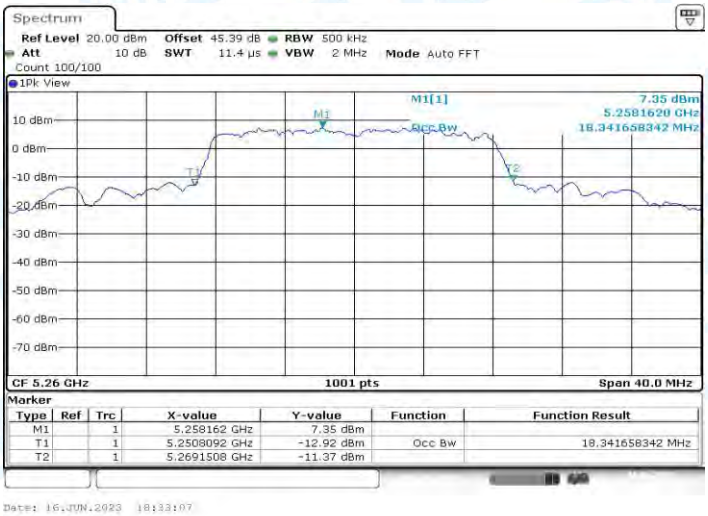
11A_Ant2_5200

11A_Ant1_5240



11A_Ant2_5240

11A_Ant1_5260



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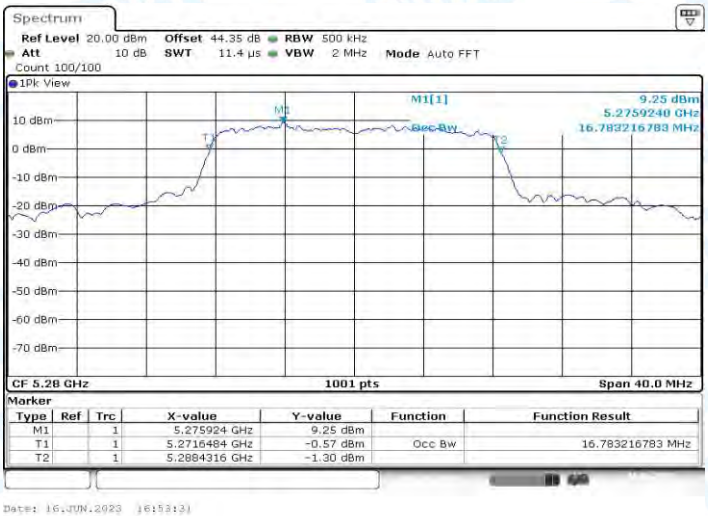

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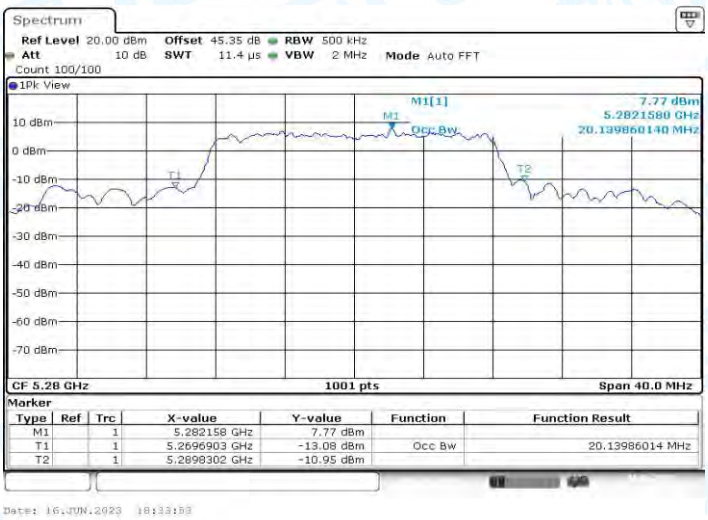

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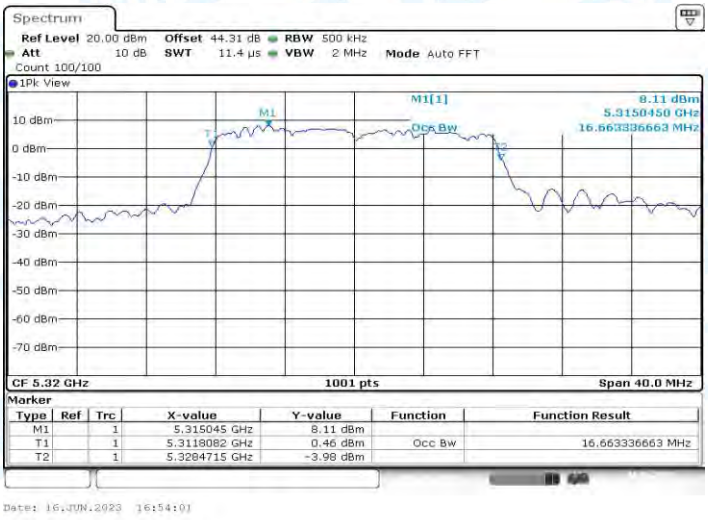

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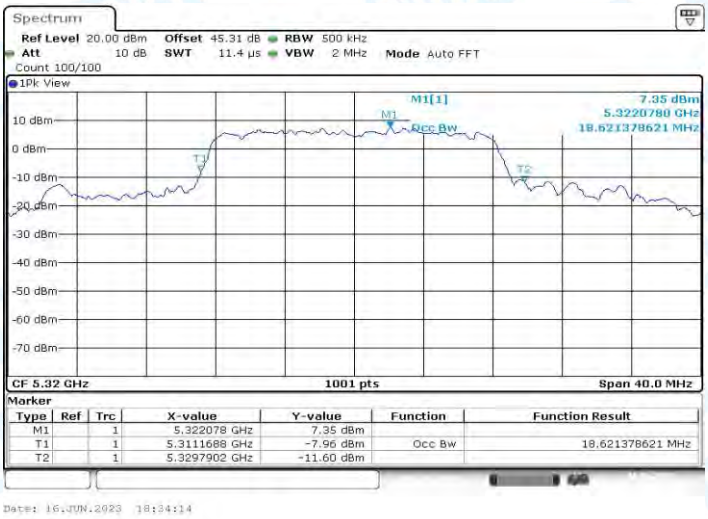
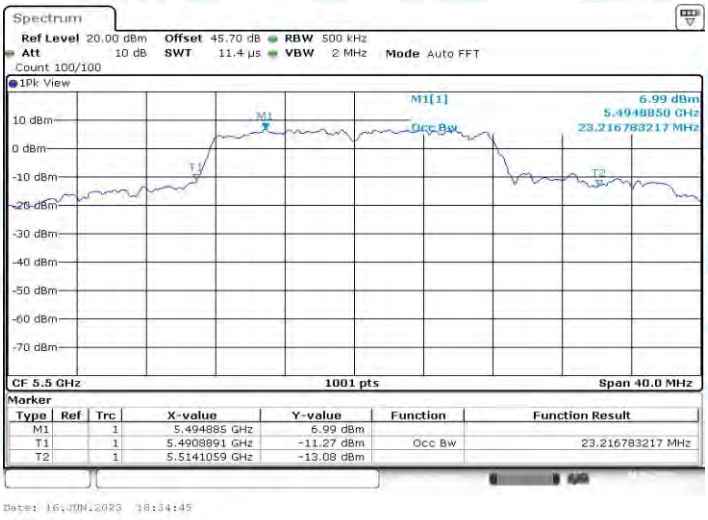


11A_Ant2_5320

11A_Ant1_5500



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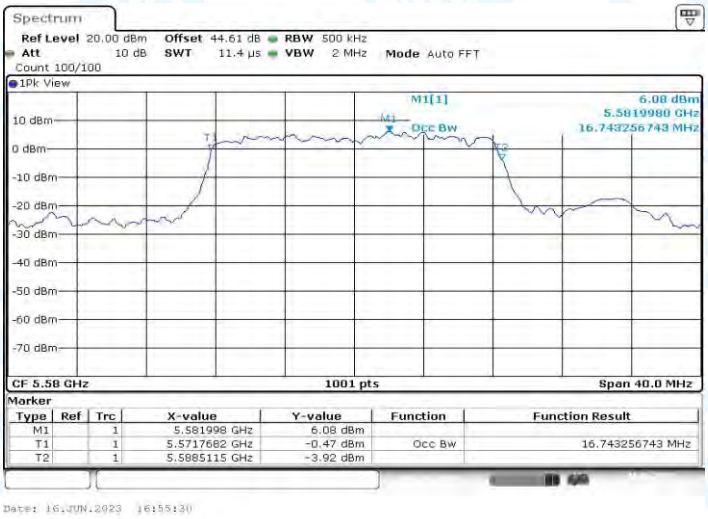
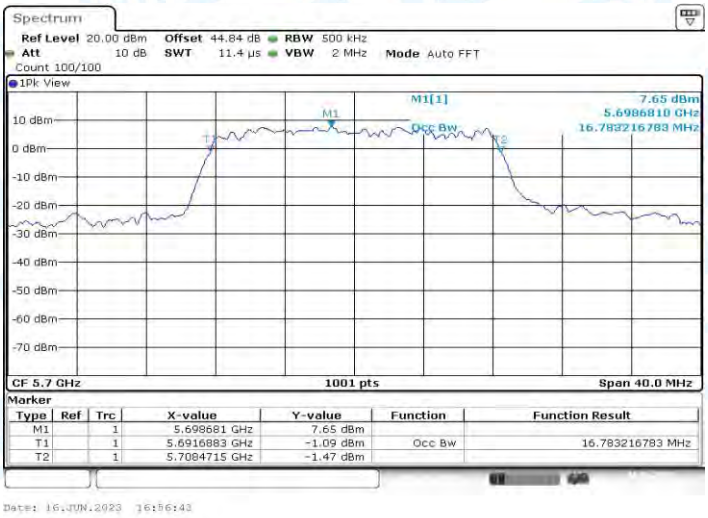


11A_Ant1_5580

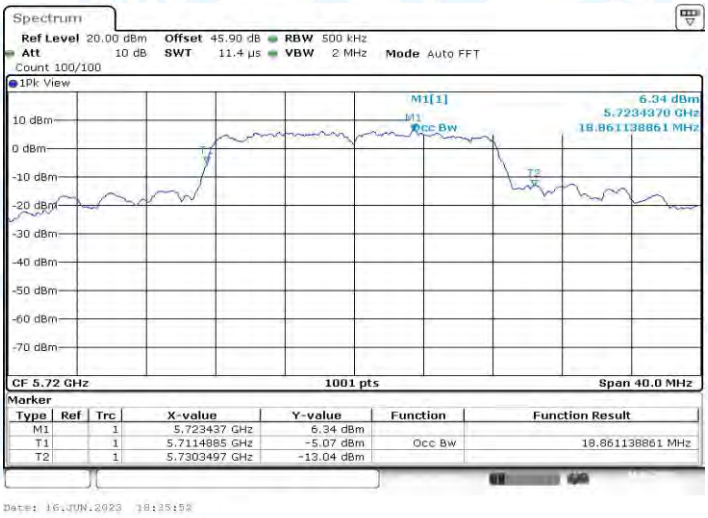
11A_Ant2_5580



11A_Ant1_5700

11A_Ant2_5700

11A_Ant1_5720



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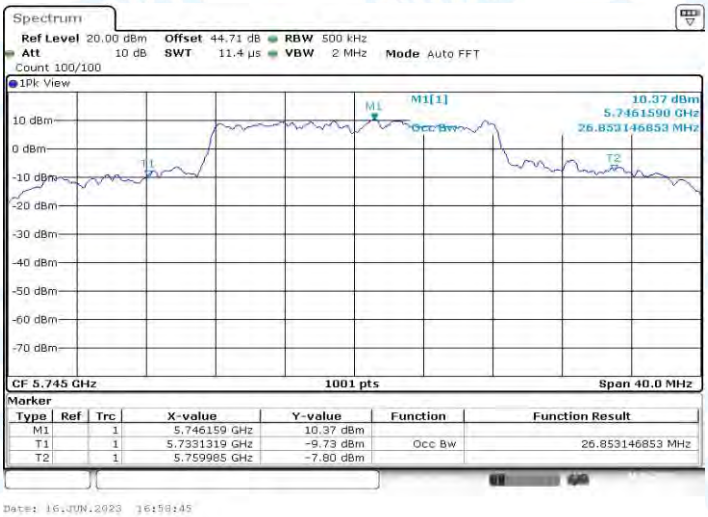
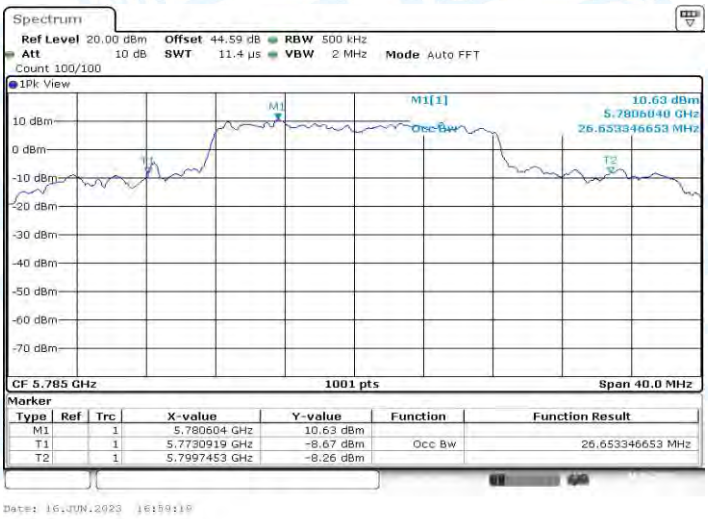
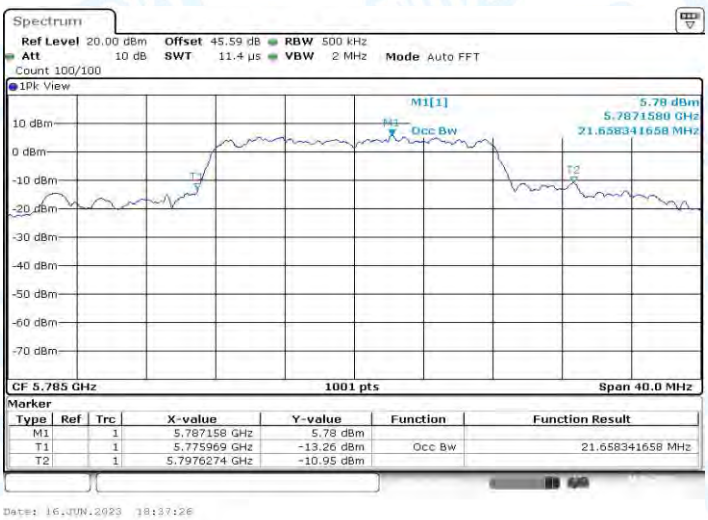


11A_Ant1_5745

11A_Ant2_5745

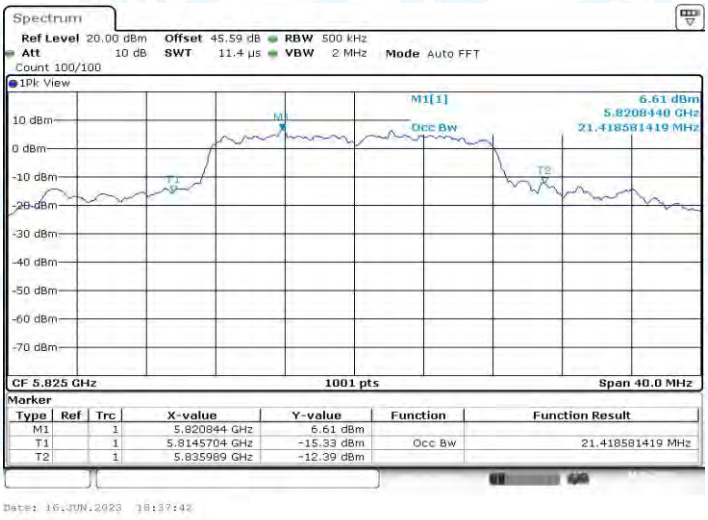


11A_Ant1_5785



11A_Ant2_5785

11A_Ant1_5825



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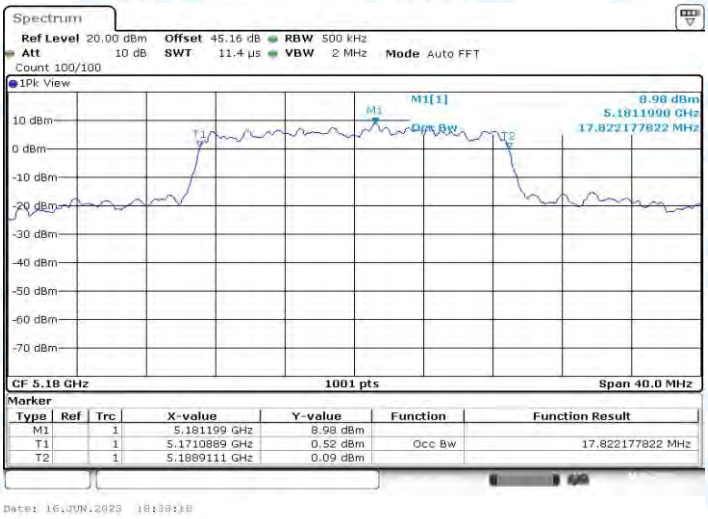
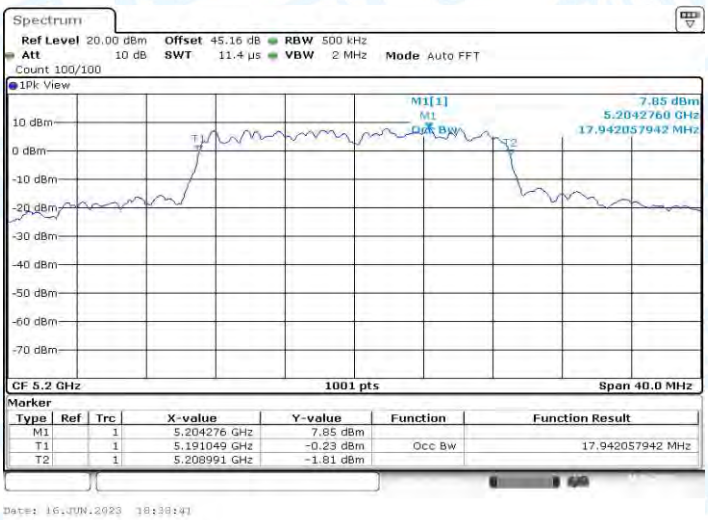


11N20MIMO__Ant1_5180



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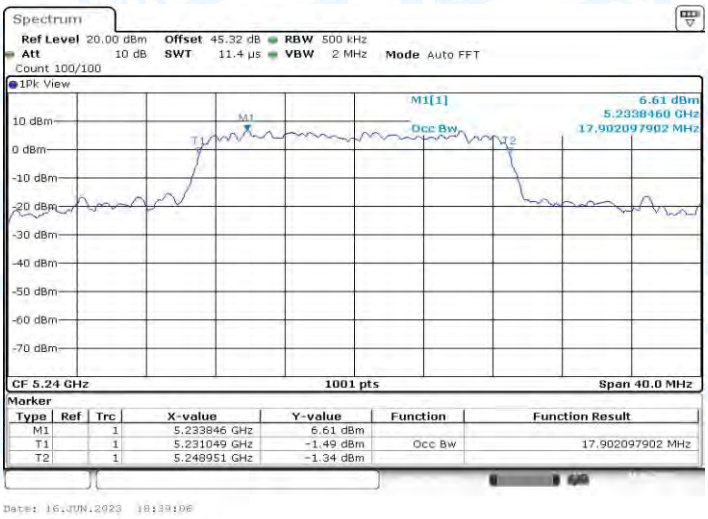

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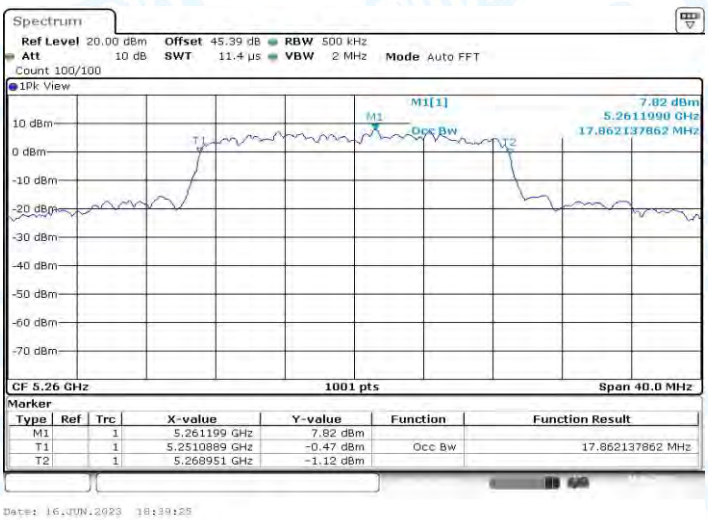

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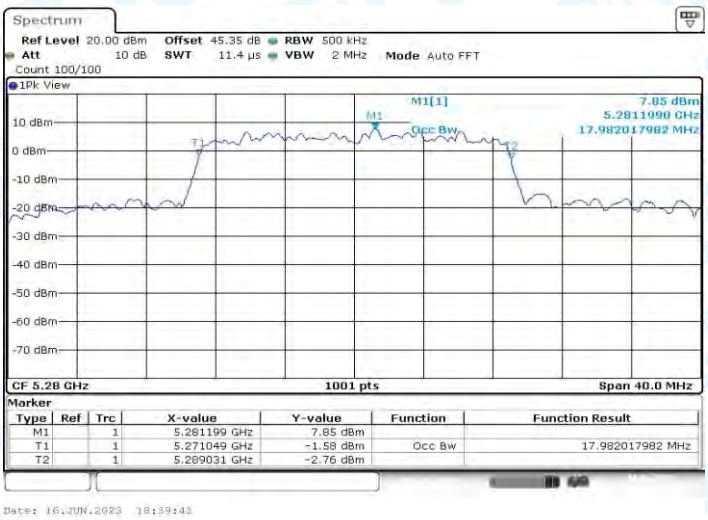
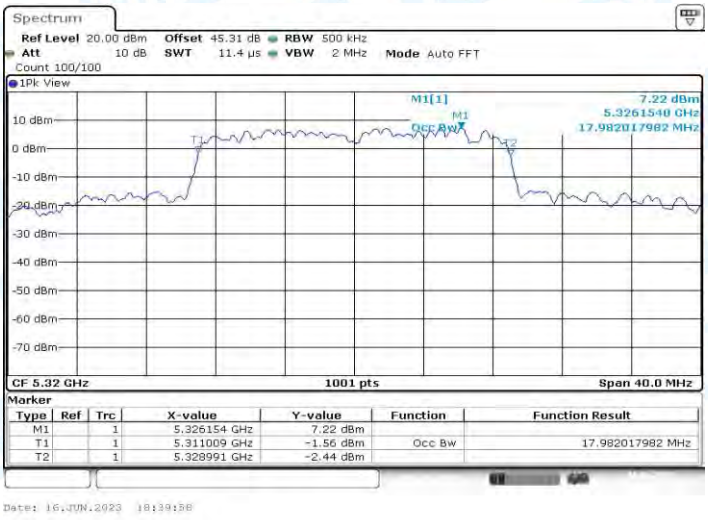


11N20MIMO__Ant1_5280



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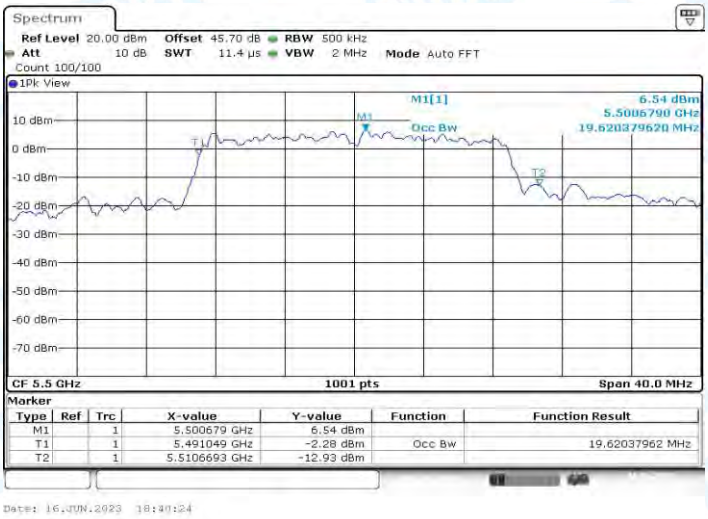

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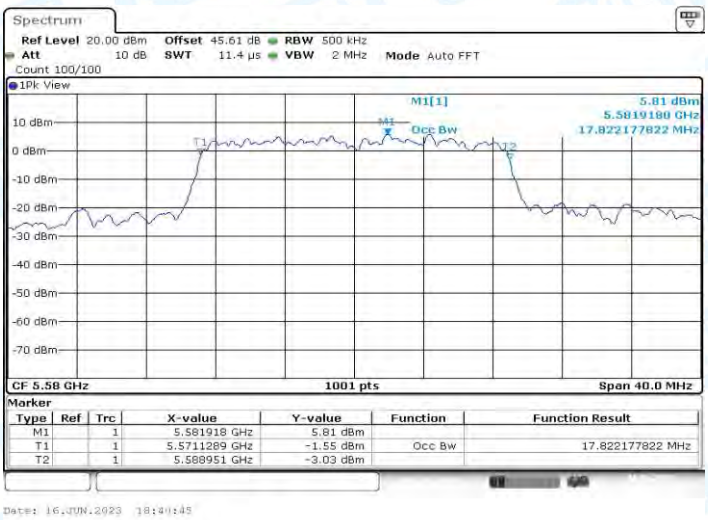

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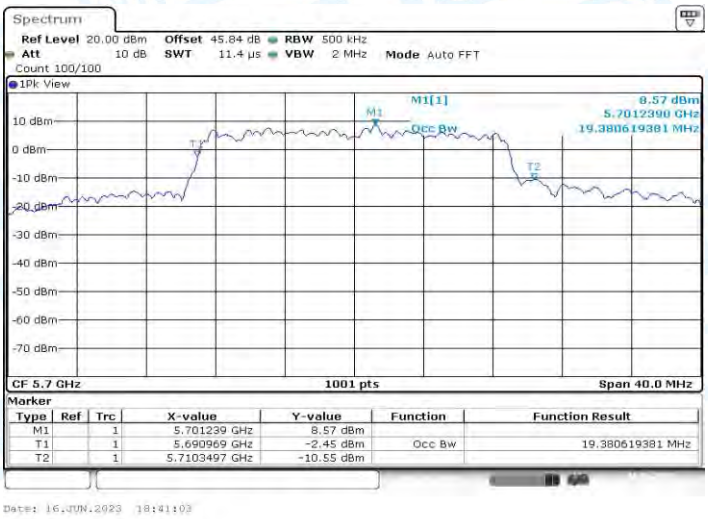

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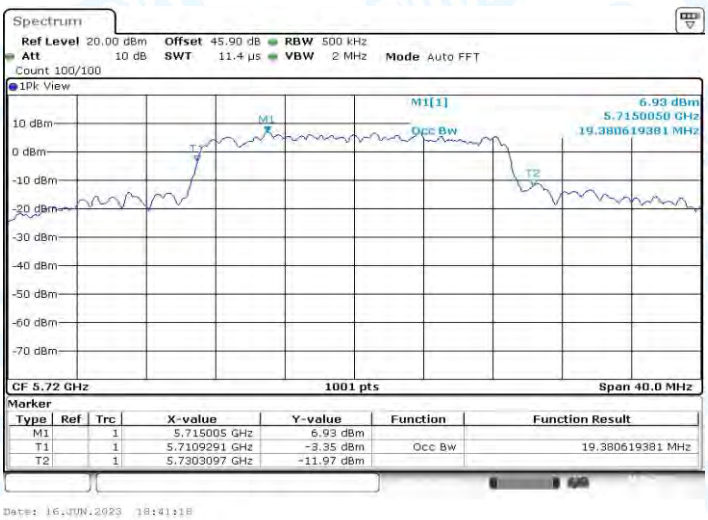
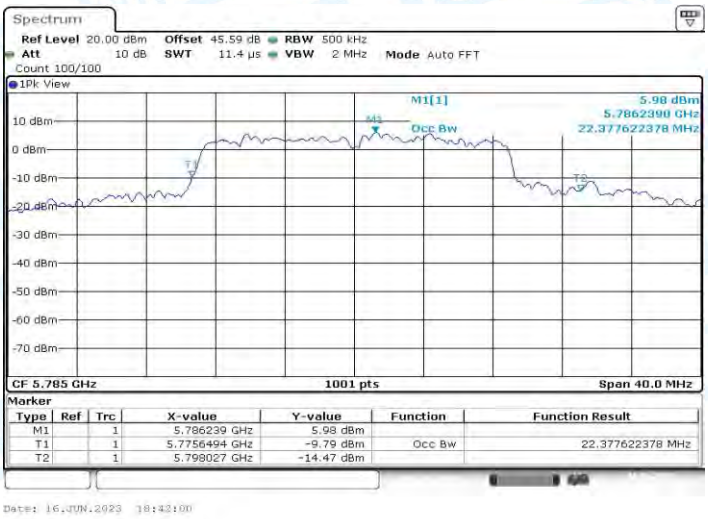


11N20MIMO__Ant1_5720

11N20MIMO__Ant1_5745



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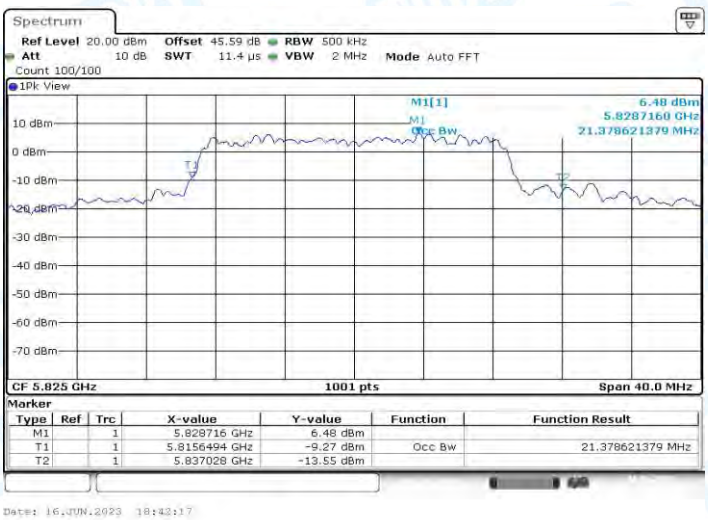
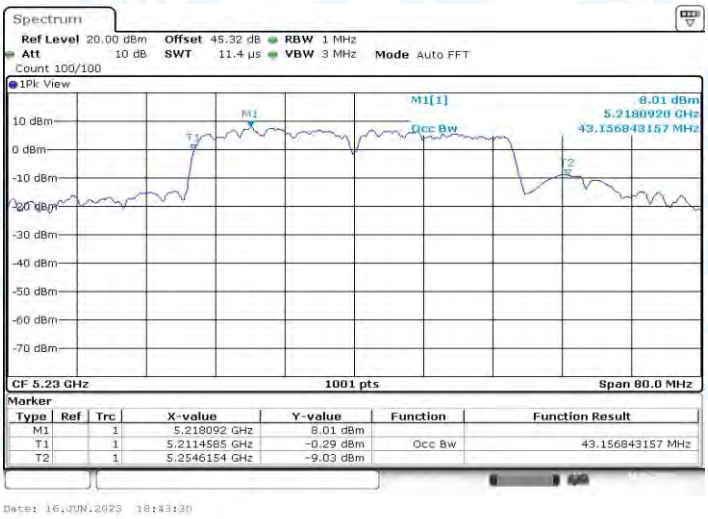


11N20MIMO__Ant1_5825

11N40MIMO__Ant1_5190



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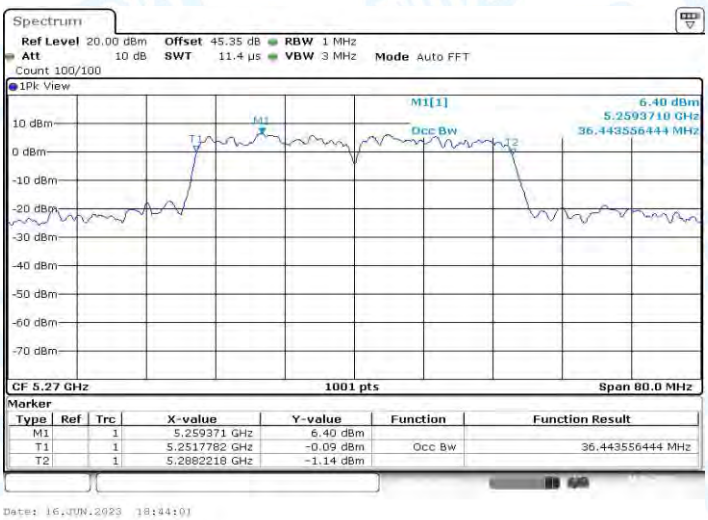

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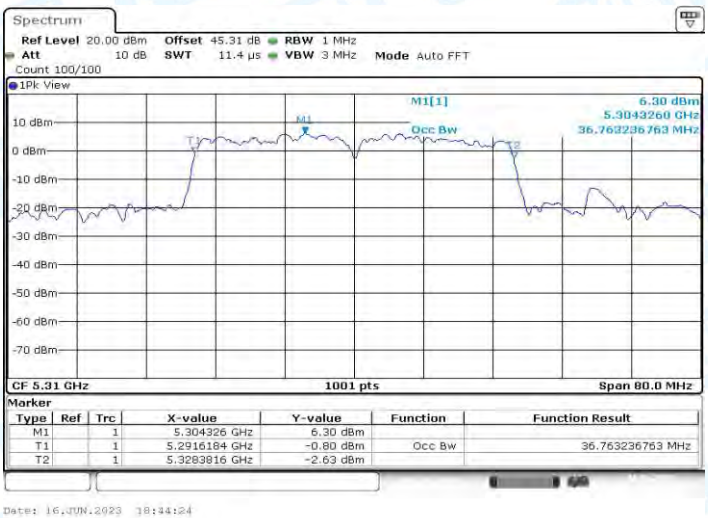

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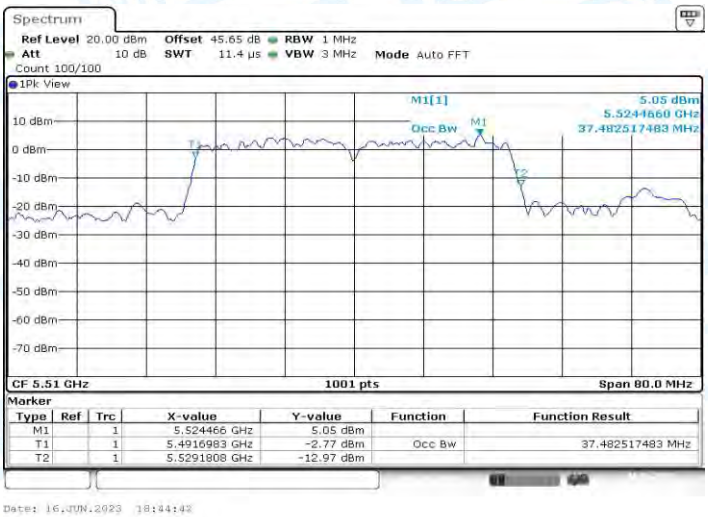

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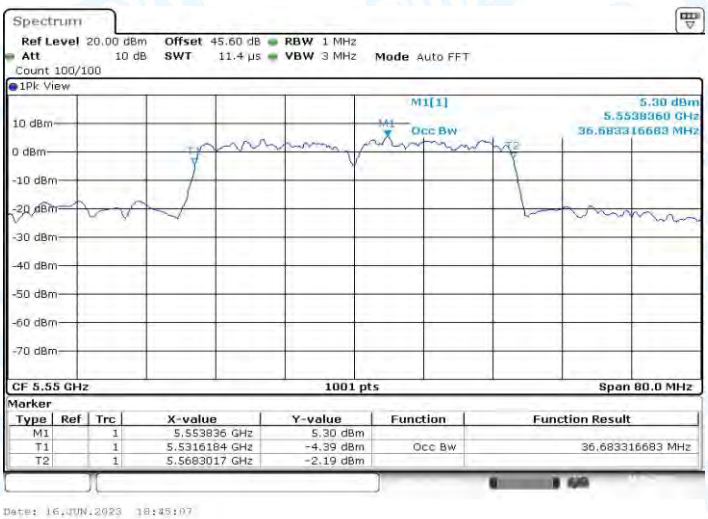
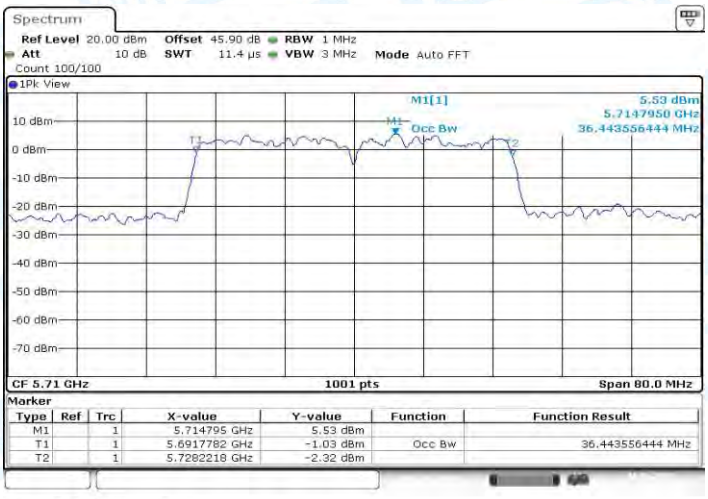


11N40MIMO__Ant1_5550

11N40MIMO__Ant1_5670



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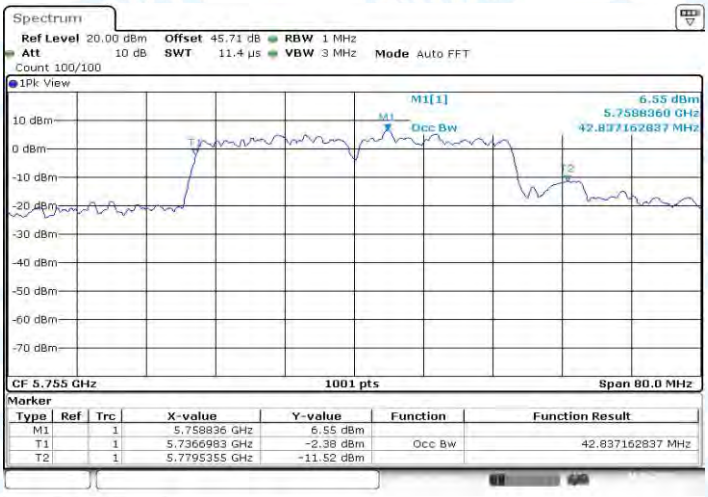

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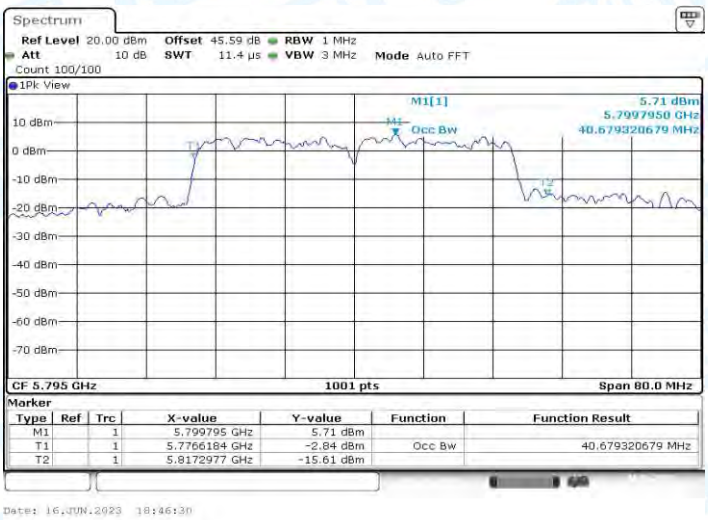

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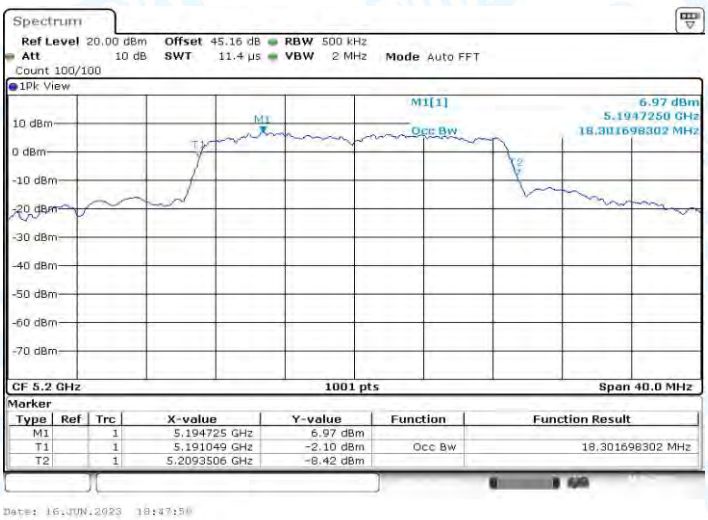

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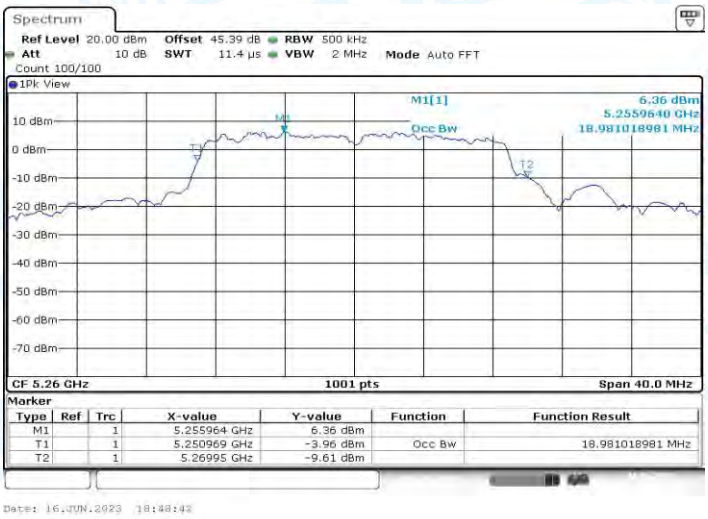

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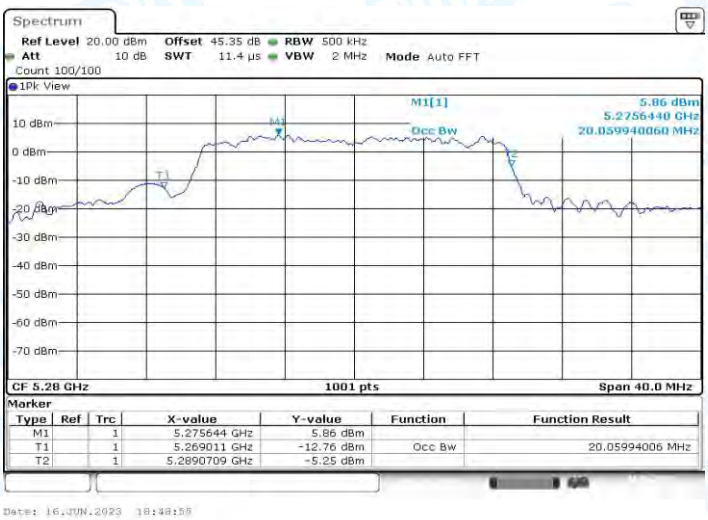

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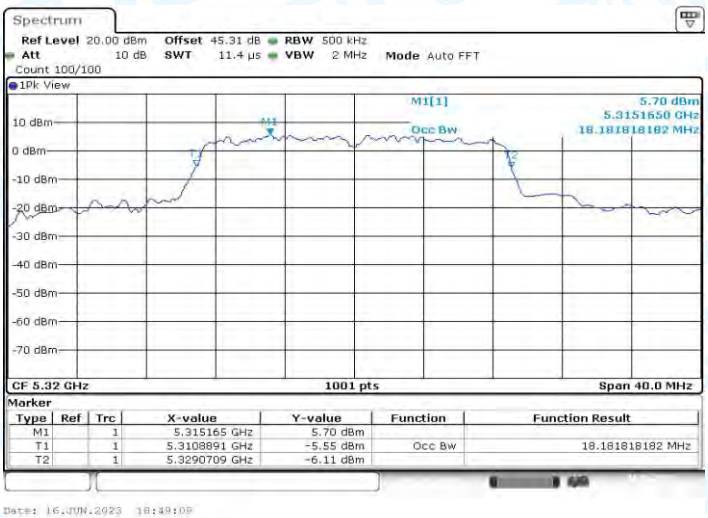
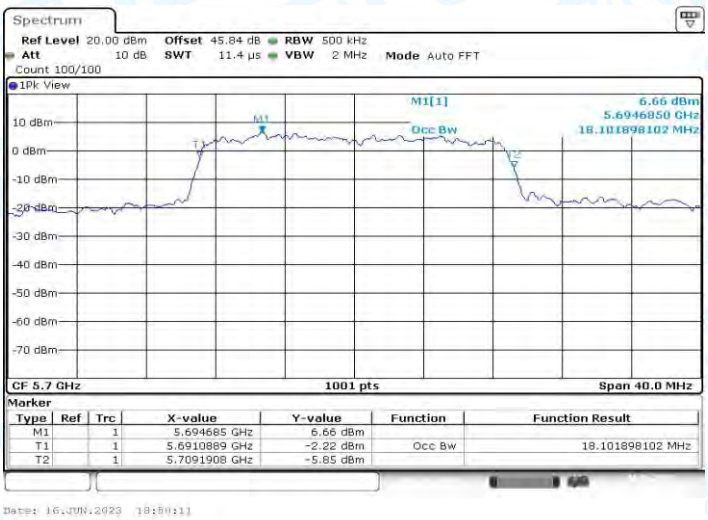


11AC20MIMO__Ant1_5320

11AC20MIMO__Ant1_5500

11AC20MIMO__Ant1_5580



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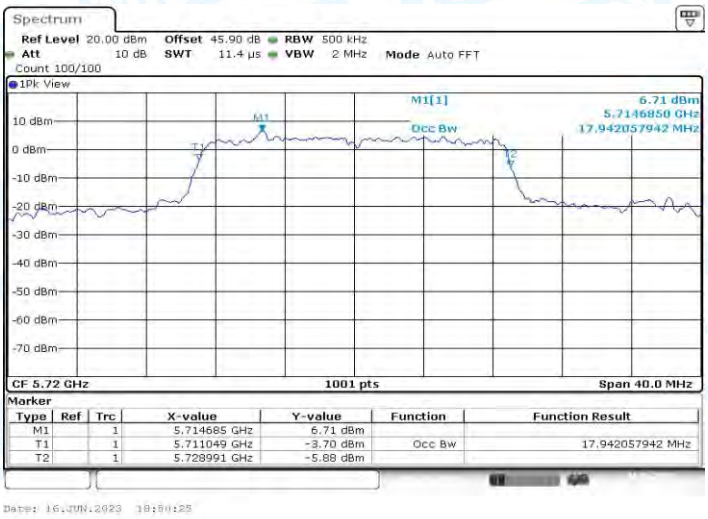

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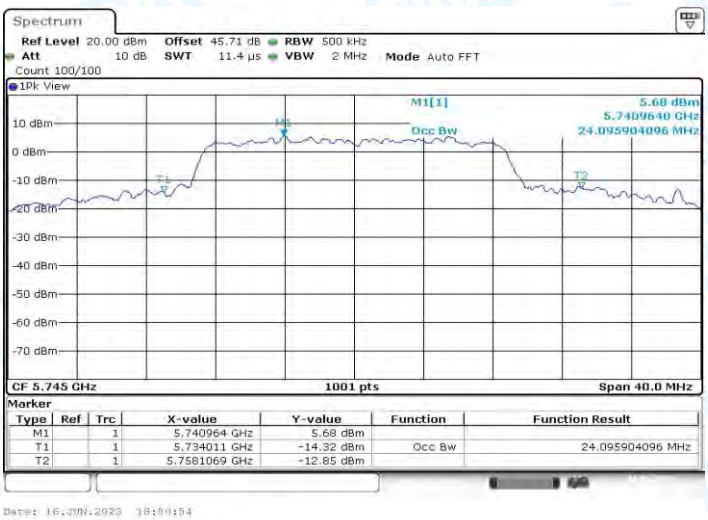

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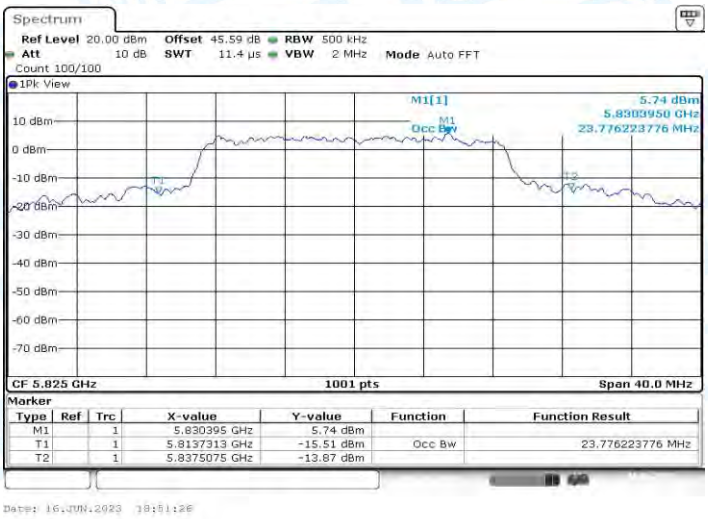

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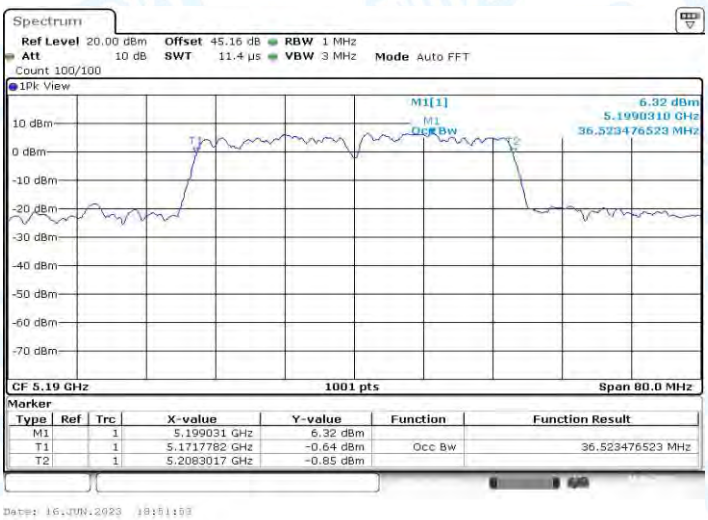

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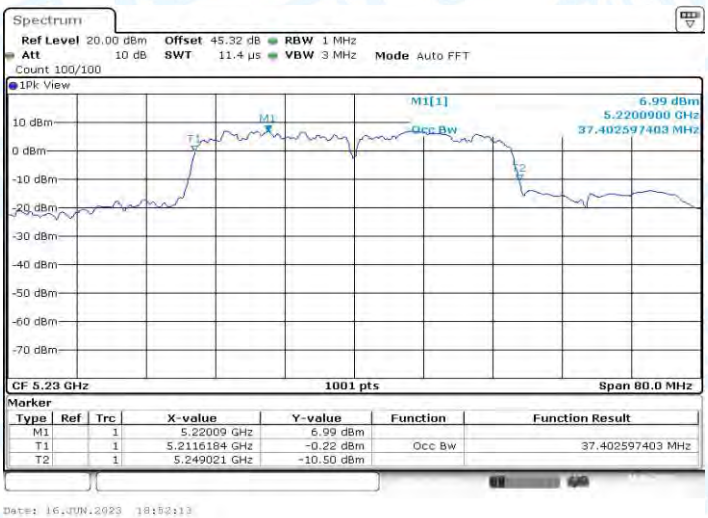

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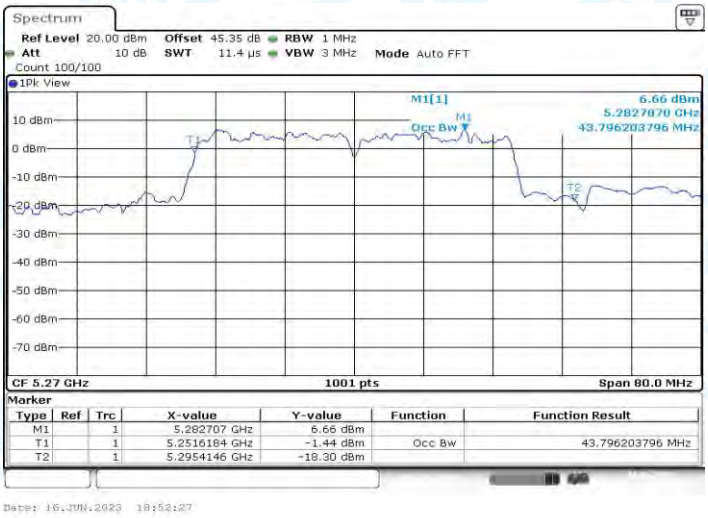

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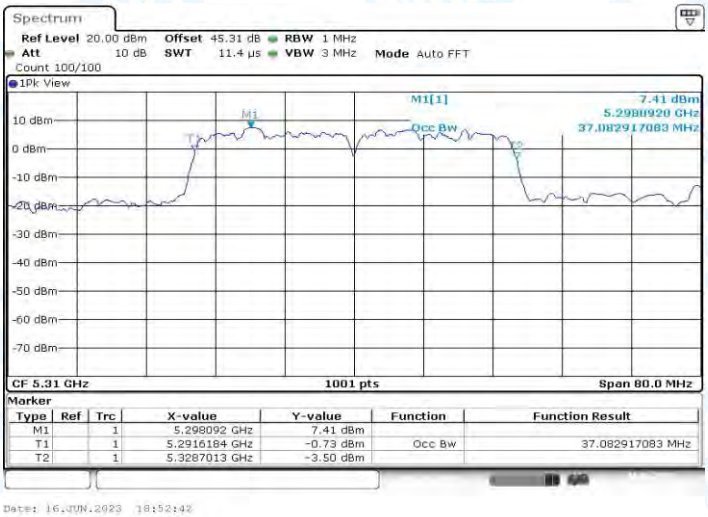

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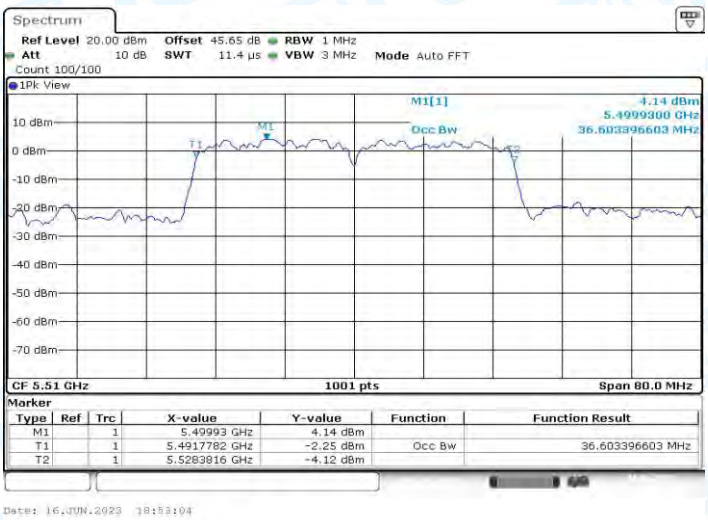

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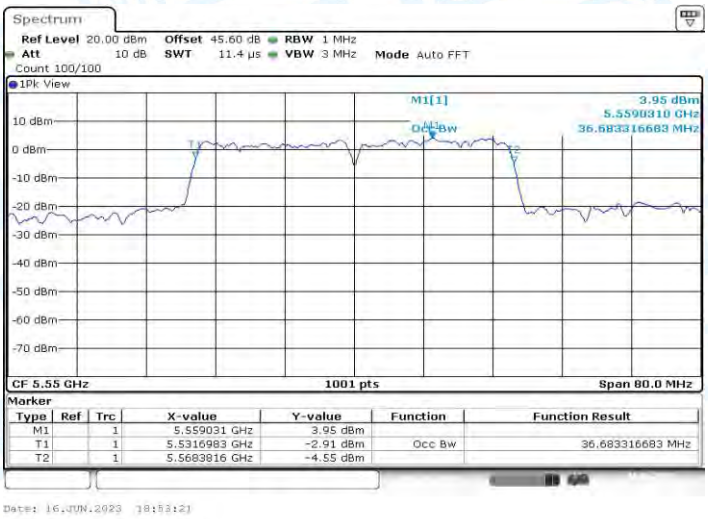

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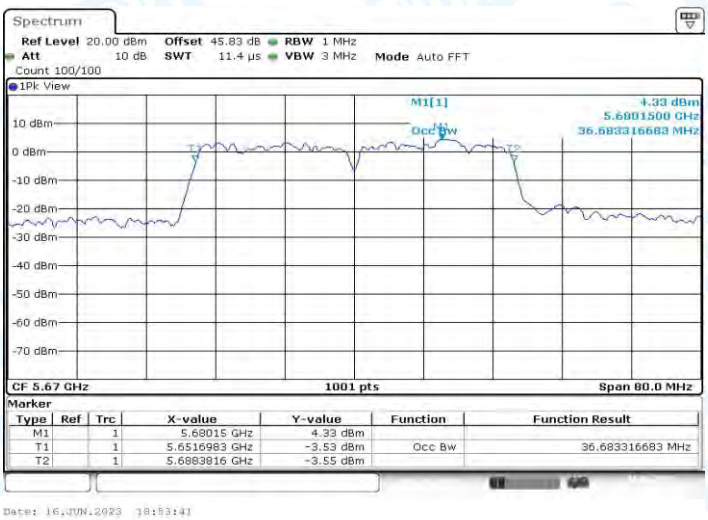

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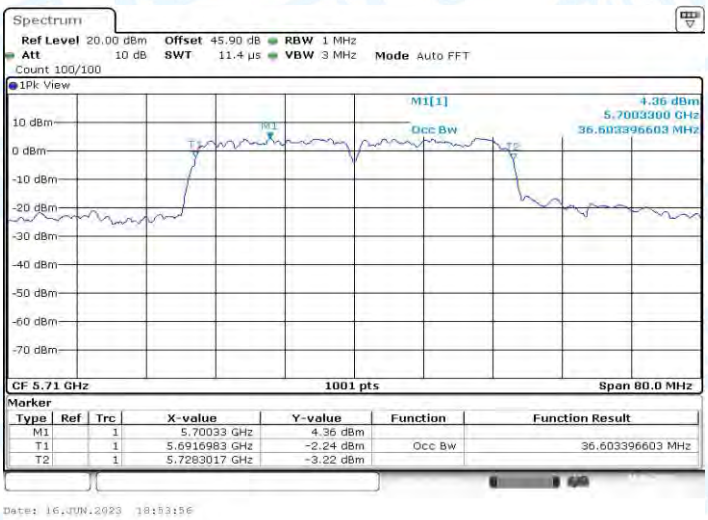

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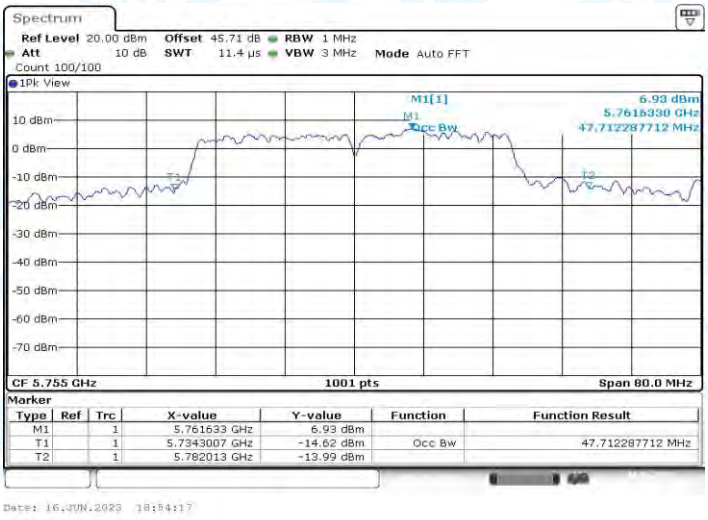
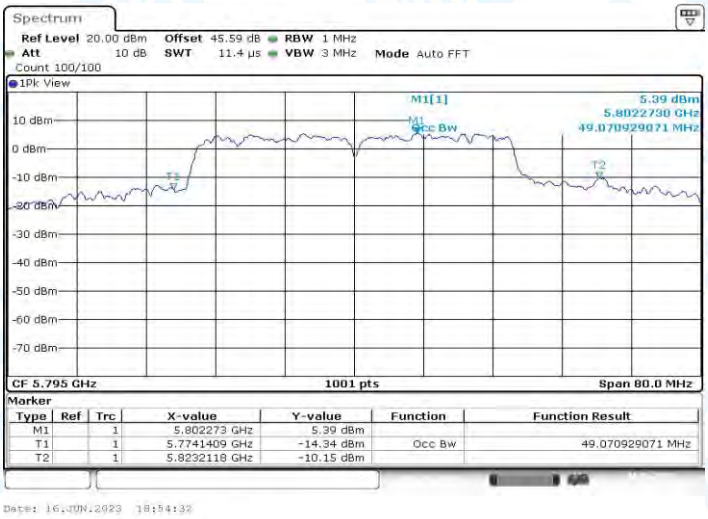
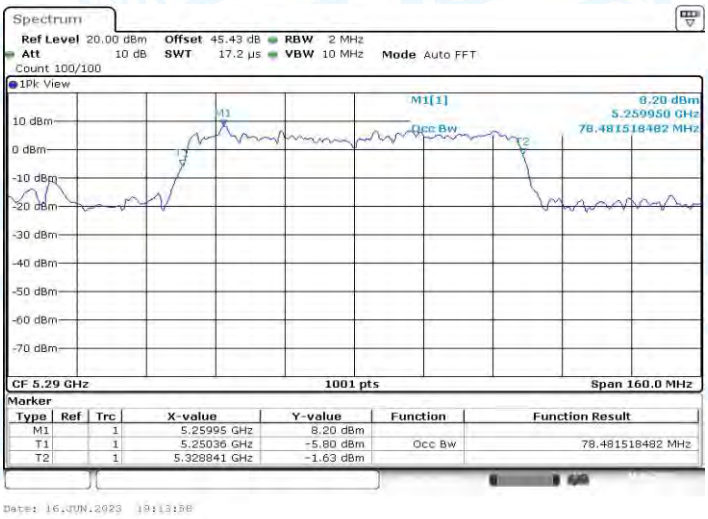


11AC40MIMO__Ant1_5755



11AC40MIMO__Ant1_5795

11AC80MIMO__Ant1_5210



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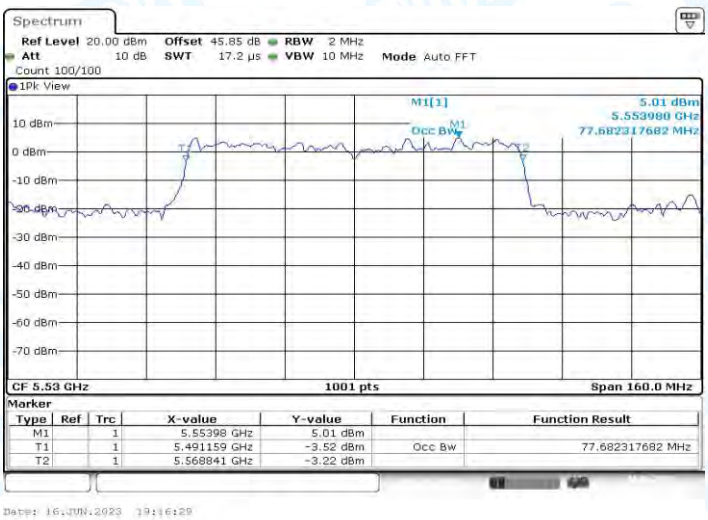
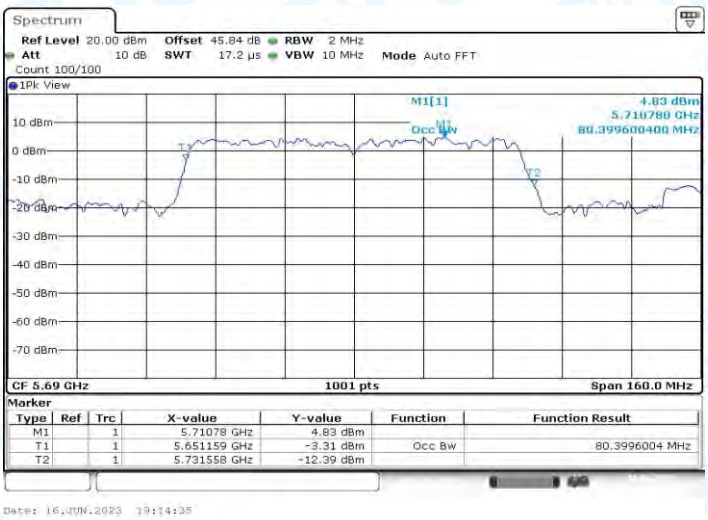
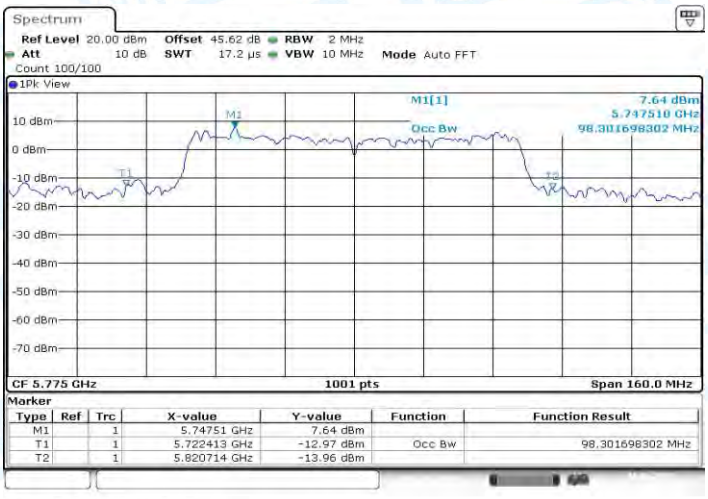


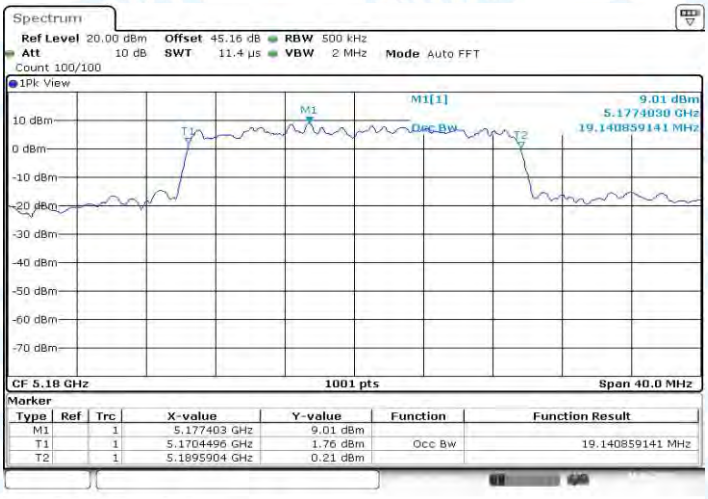
11AC80MIMO__Ant1_5530



11AC80MIMO__Ant1_5690



11AC80MIMO__Ant1_5775



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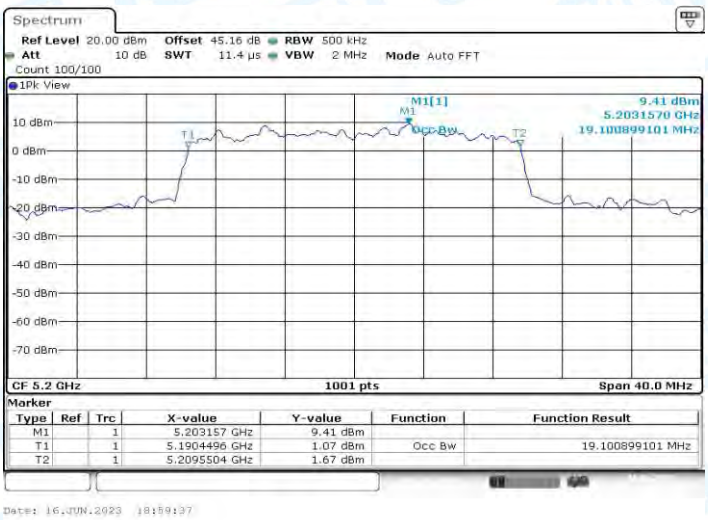
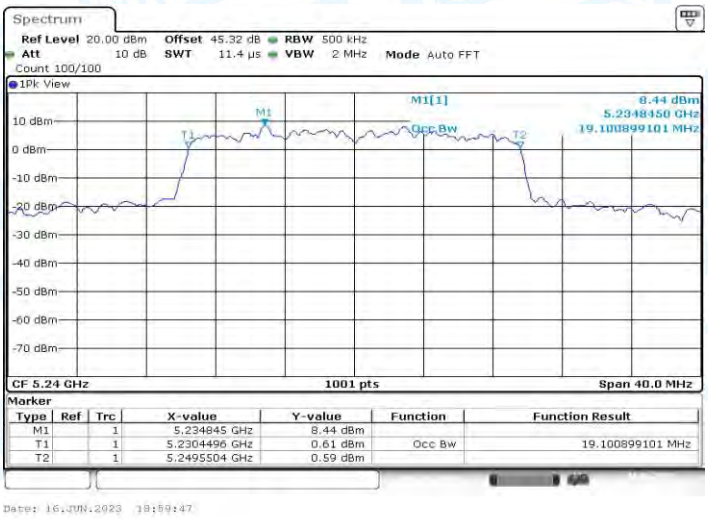
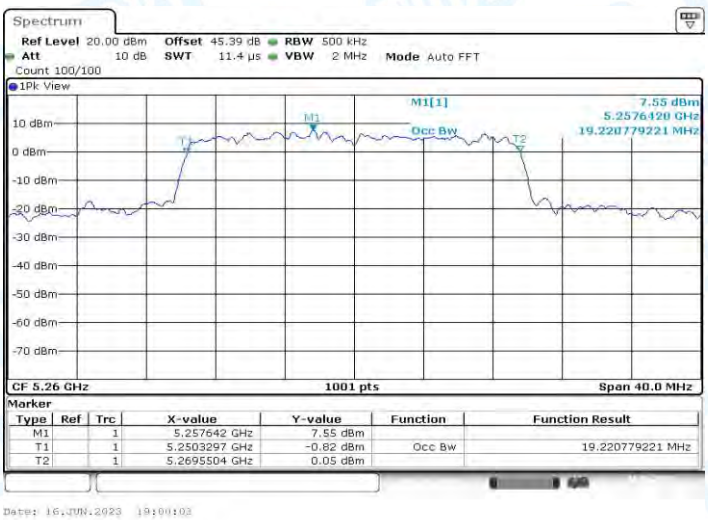


11AX20MIMO__Ant1_5200

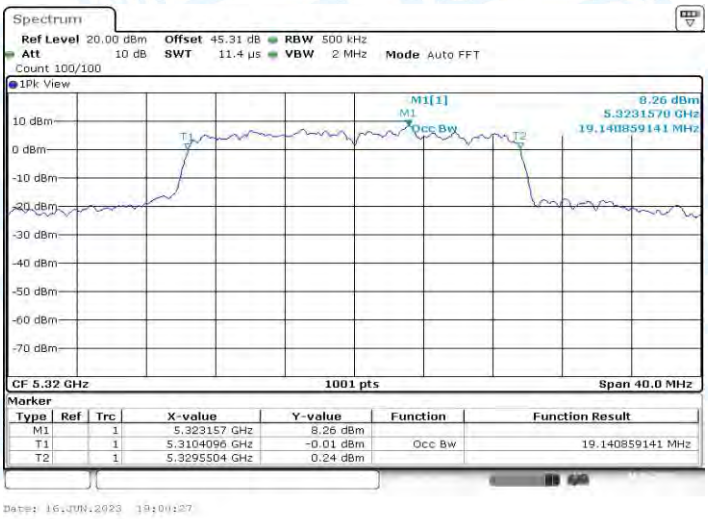


11AX20MIMO__Ant1_5240



11AX20MIMO__Ant1_5260

11AX20MIMO__Ant1_5280



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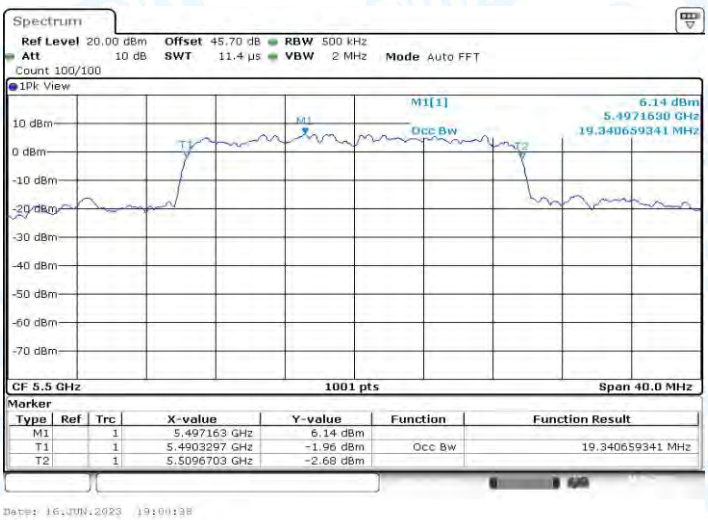
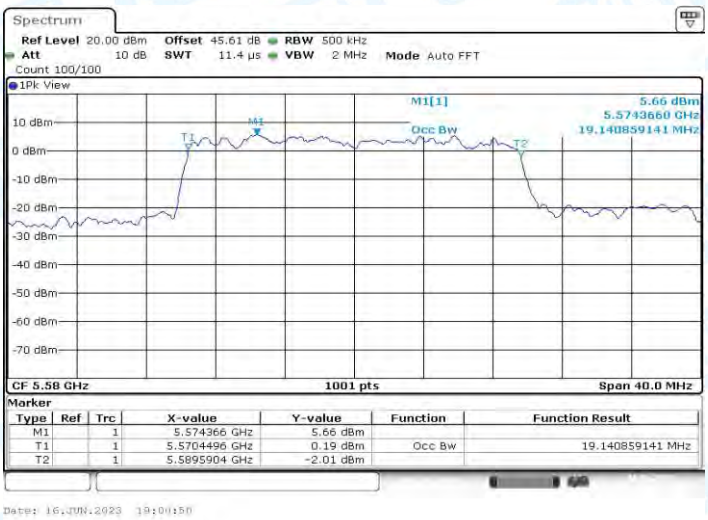
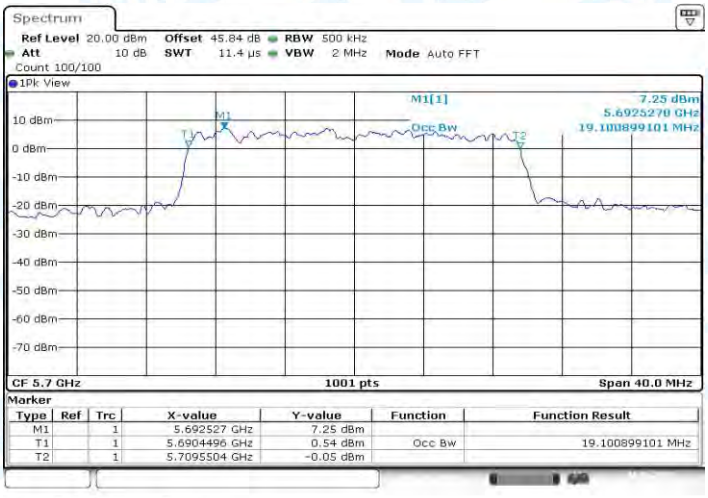


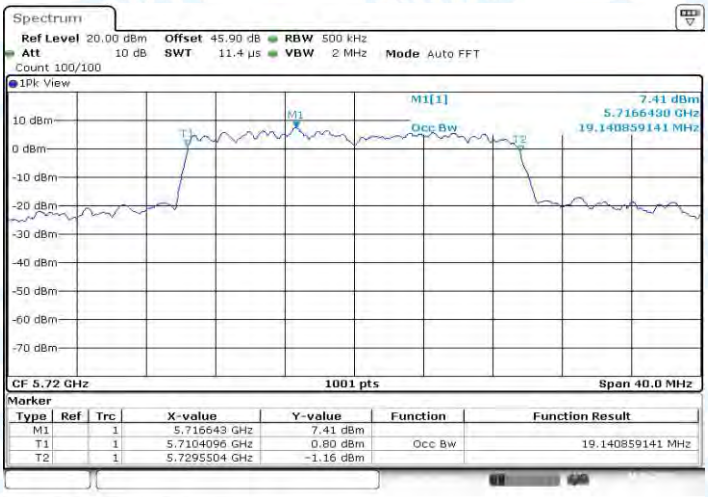
11AX20MIMO__Ant1_5500



11AX20MIMO__Ant1_5580

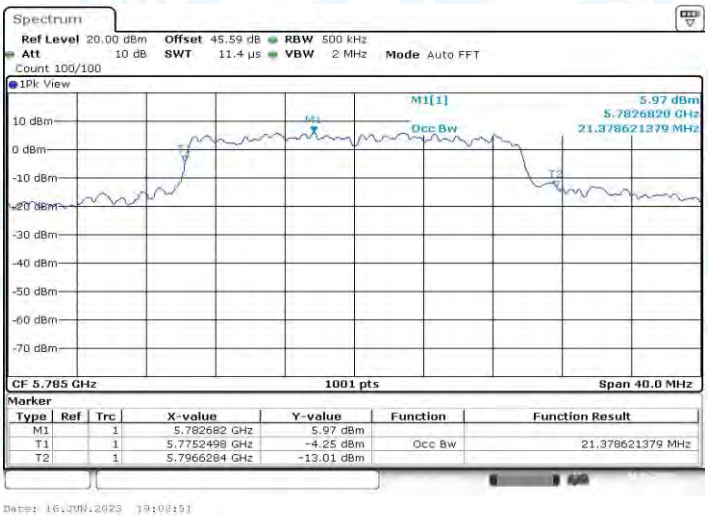


11AX20MIMO__Ant1_5700



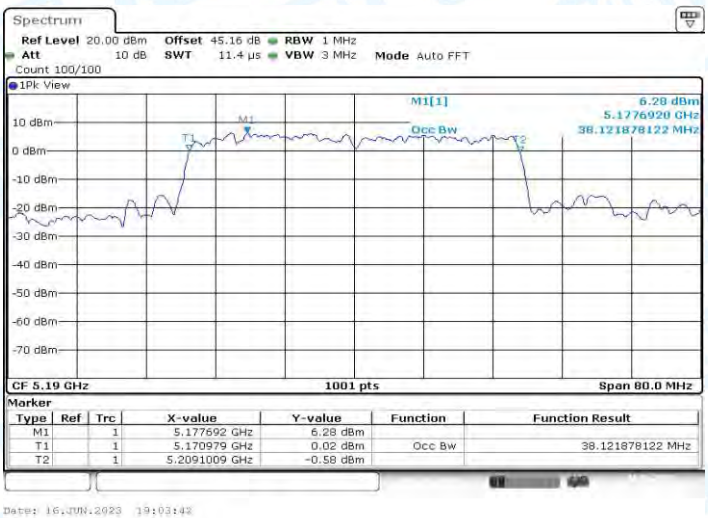
11AX20MIMO__Ant1_5720

11AX20MIMO__Ant1_5745



11AX20MIMO__Ant1_5785

11AX20MIMO__Ant1_5825



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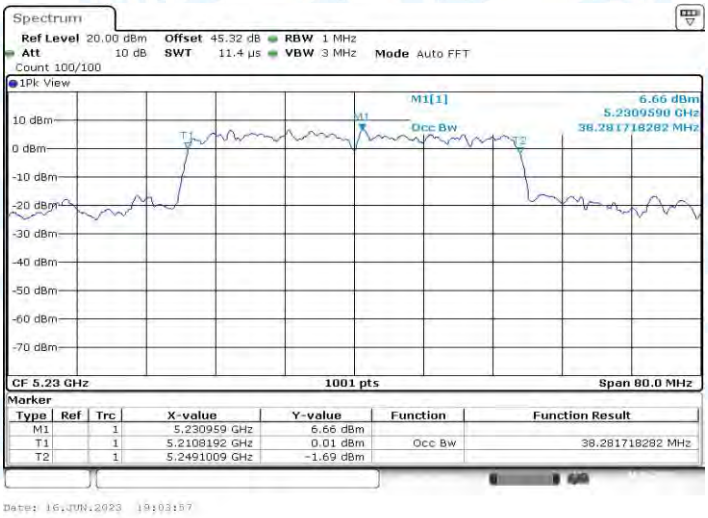
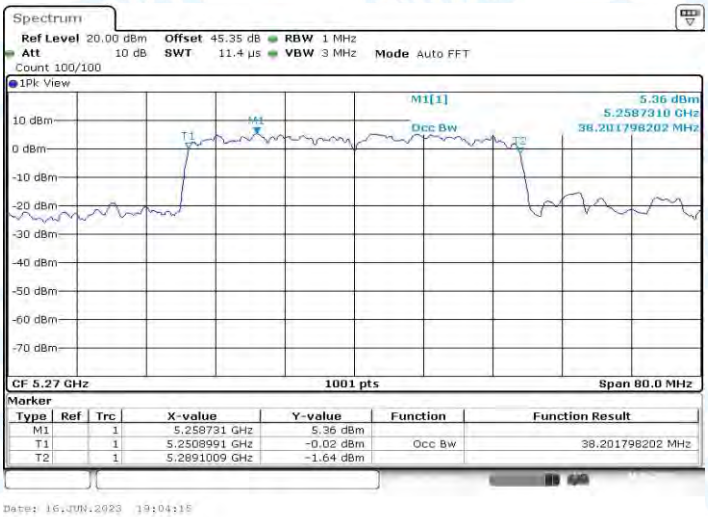


11AX40MIMO__Ant1_5230



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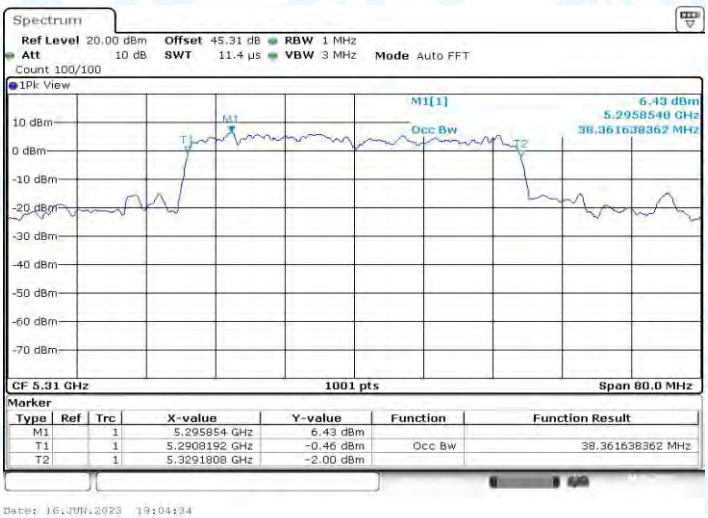
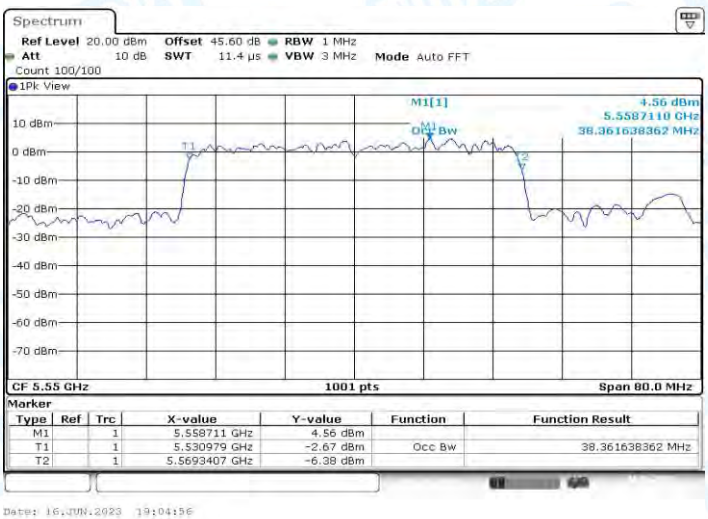


11AX40MIMO__Ant1_5310

11AX40MIMO__Ant1_5510



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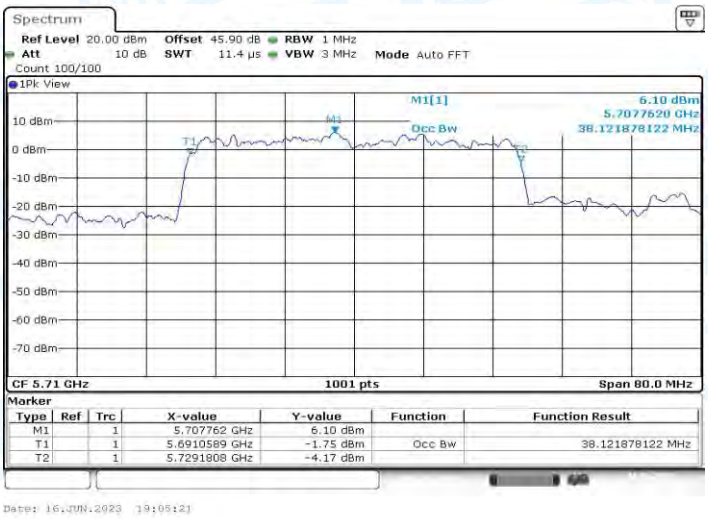

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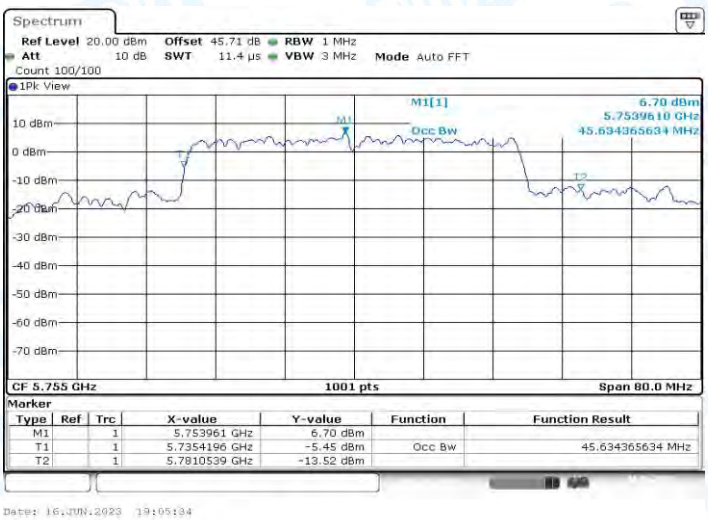

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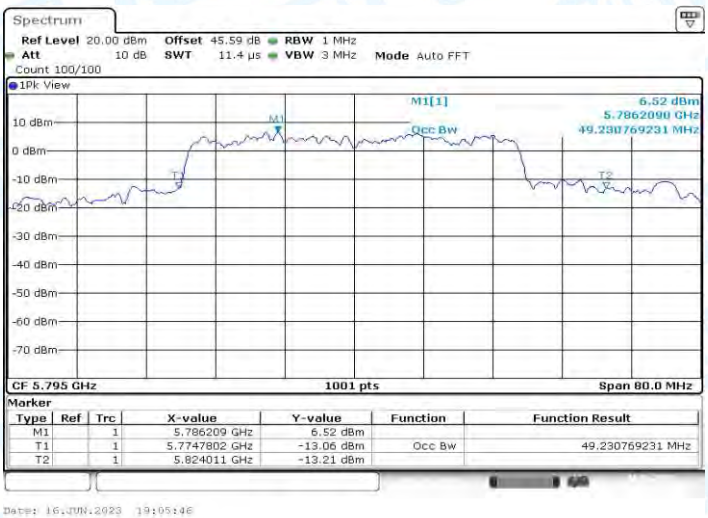

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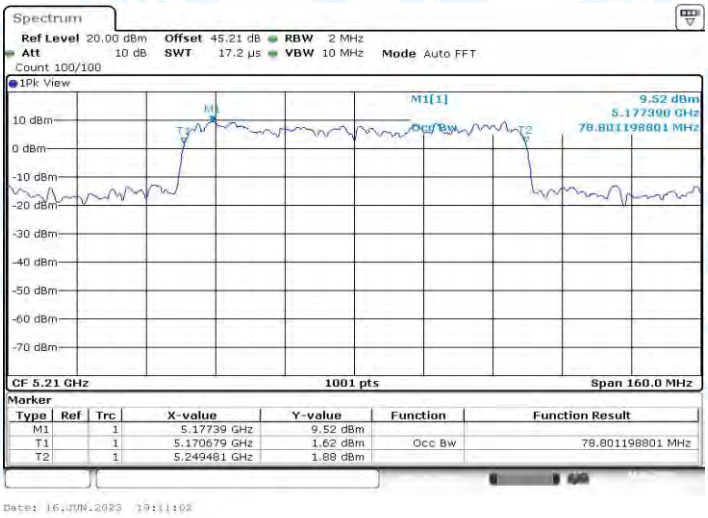
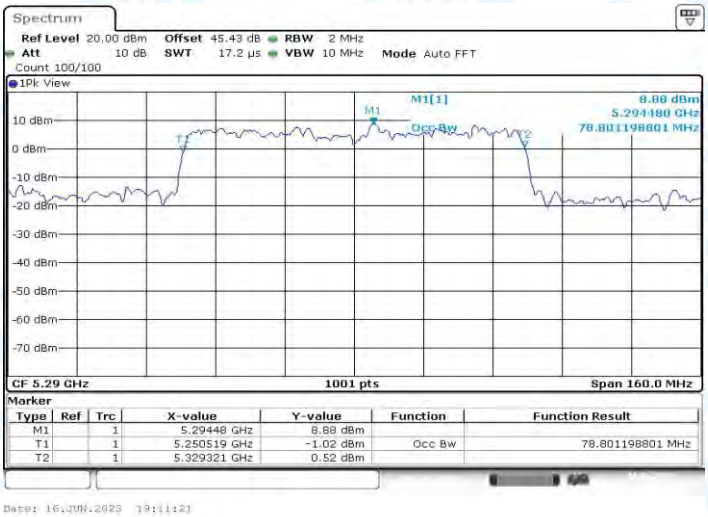


11AX80MIMO__Ant1_5210



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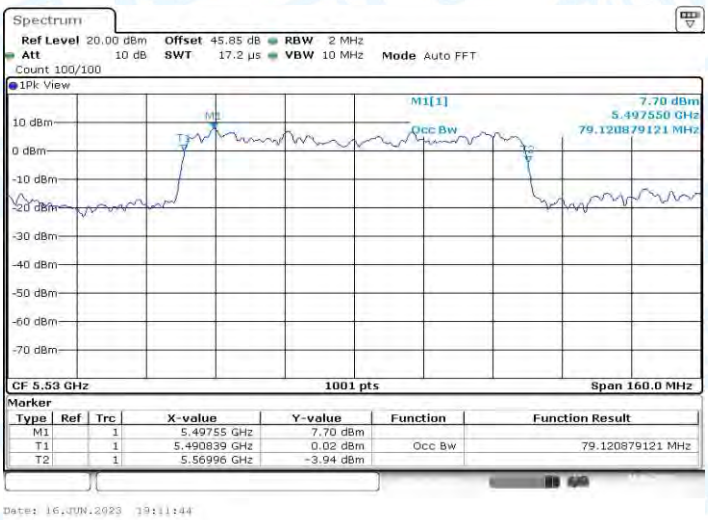

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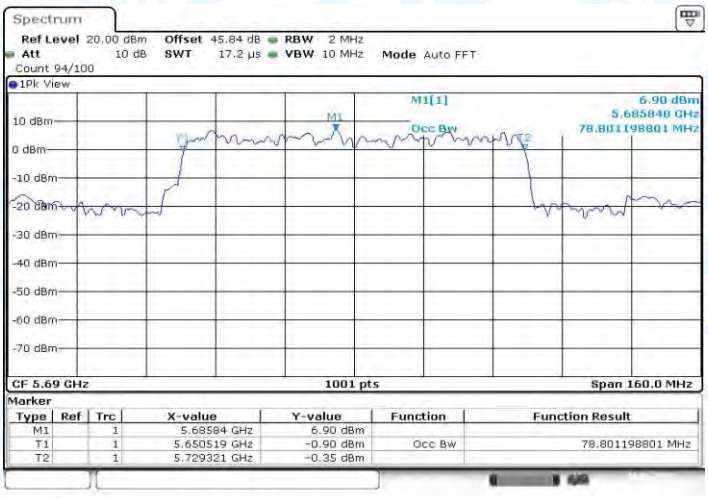
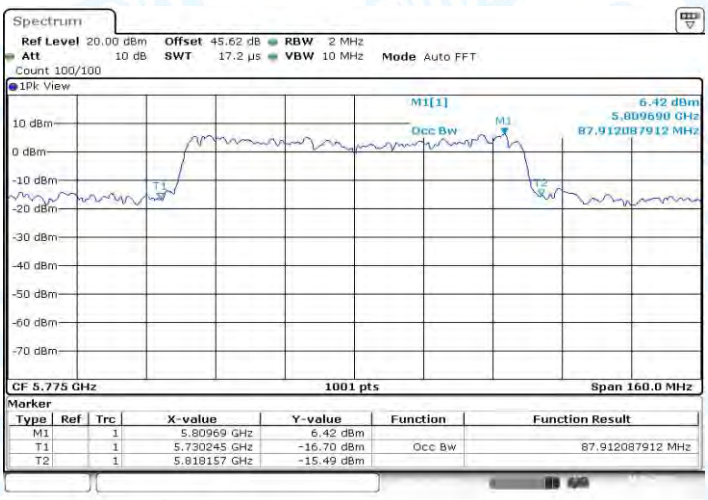


11AX80MIMO__Ant1_5690



11AX80MIMO__Ant1_5775

9. Maximum Conducted Output Power

9.1 Test Standard and Limit

9.1.1 Test Standard

RSS 247 (6.2.11&6.2.2.1&6.2.3.1&6.2.4.1)

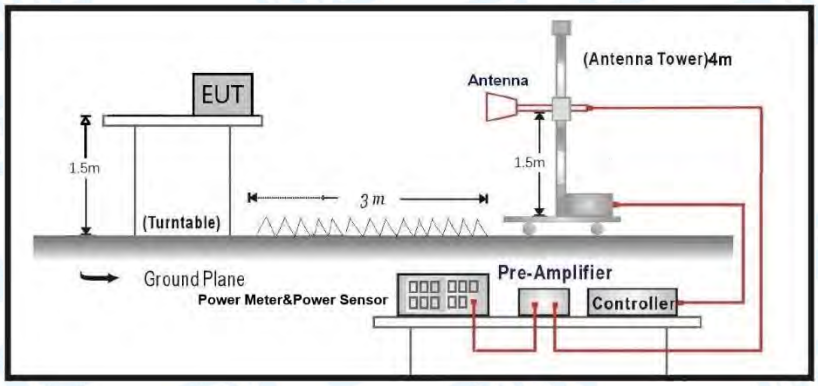
FCC Part 15.407(a)

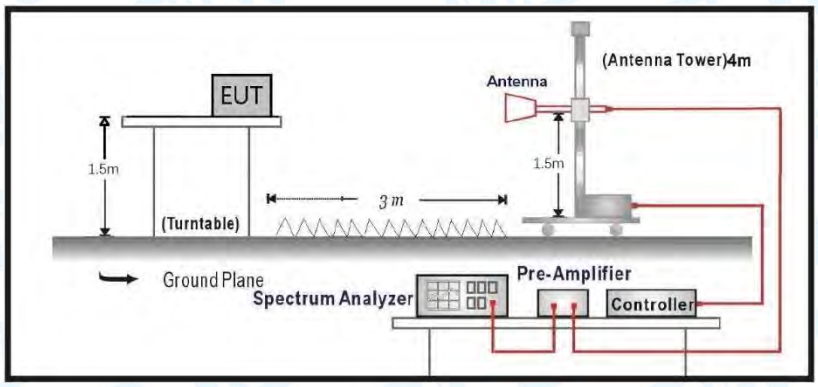
9.1.2 Test Limit

RSS-247				
Limit	**Frequency Range(MHz)**			
	5150~5250	**5250~5350**	**5500~5725**	**5725~5850**
Max Conducted TX Power	N/A	The maximum conducted output power shall not exceed 250 mW or 11 + 10 log10B, dBm		1 Watt (30dBm)
Max E.I.R.P	For other devices, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log10B, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.	The maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log10B, dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.		4 W (36 dBm) with 6 dBi antenna
TPC	NO	YES, if Max_EIRP ≥ 500 mW (27 dBm) and able to lower EIRP below 24dBm		NO
		NO, if Max_EIRP < 500mW (27dBm)		

FCC Part 15 Subpart E(15.407)				
Limit	**Frequency Range(MHz)**			
	5150~5250	**5250~5350**	**5500~5725**	**5725~5850**
Max Conducted TX Power	Master Device: 1 Watt(30dBm) Client Device: 250mW(24dBm)	24dBm (250 mW) or 11 dBm+ 10 log B, whichever is lower (B= 26-dB emission BW)		1 Watt (30dBm)
Max E.I.R.P	4 W (36 dBm) with 6 dBi antenna	1 W (30 dBm) with 6 dBi antenna		4 W (36 dBm) with 6 dBi antenna
	200 W (53 dBm) for fixed P-t-P application with 23 dBiantenna			
	Additional rule for outdoor operation: Max_EIRP< 125 mW(21 dBm) at any elevation angle > 30°from horizon			
TPC	NO	YES, if Max_EIRP ≥ 500 mW (27 dBm) and able to lower EIRP below 24dBm		NO
		NO, if Max_EIRP < 500mW (27dBm)		

9.2 Test Setup





9.3 Test Procedure

●The EUT was connected to RF power meter via a broadband power sensor as show the block above. The power sensor video bandwidth is greater than or equal to the DTS bandwidth of the equipment. For straddle channels power test with spectrum analyser.

9.4 Deviation From Test Standard

No deviation

9.5 EUT Operating Mode

Please refer to the description of test mode.

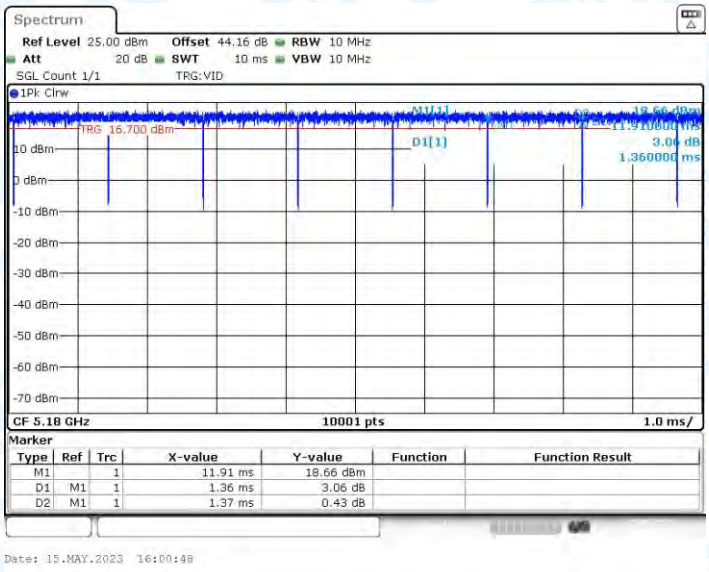
9.6 Test Data

Please refer to the following pages.

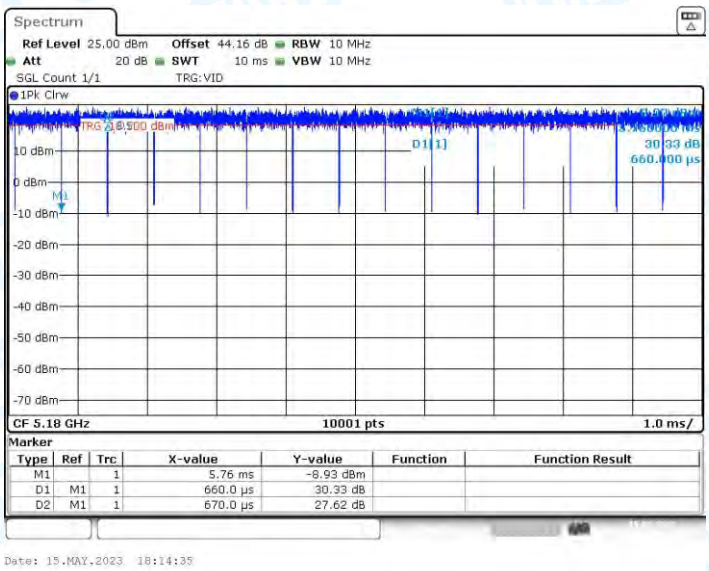
---RF Output Power (Radiation Measurements)

TestMode	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T [KHz]
11A	1.36	1.37	99.27	0.74
11N20	0.66	0.67	98.51	1.52
11N40	0.33	0.34	97.06	3.03
11AC20	1.27	1.28	99.22	0.79
11AC40	0.63	0.64	98.44	1.59
11AC80	0.32	0.33	96.97	3.13
11AX20	0.98	0.99	98.99	1.02
11AX40	0.52	0.53	98.11	1.92
11AX80	0.28	0.29	96.55	3.57

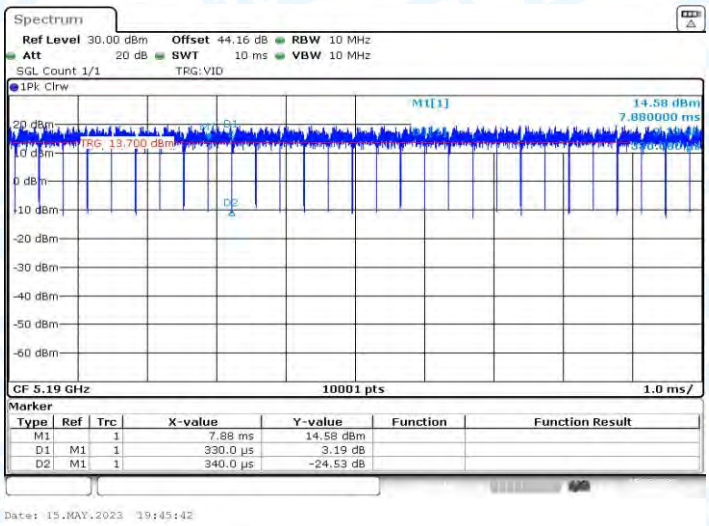
11A



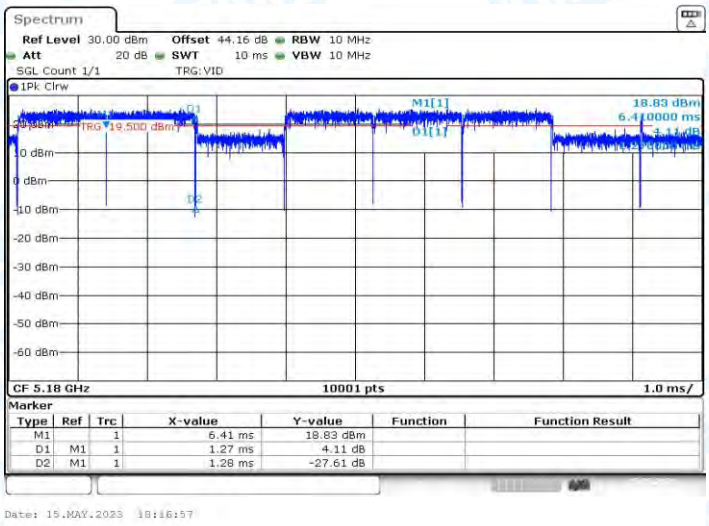
11N20



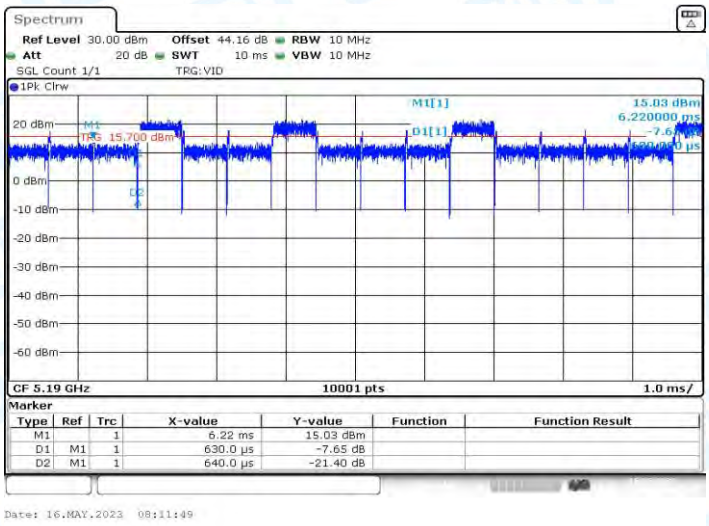
11N40



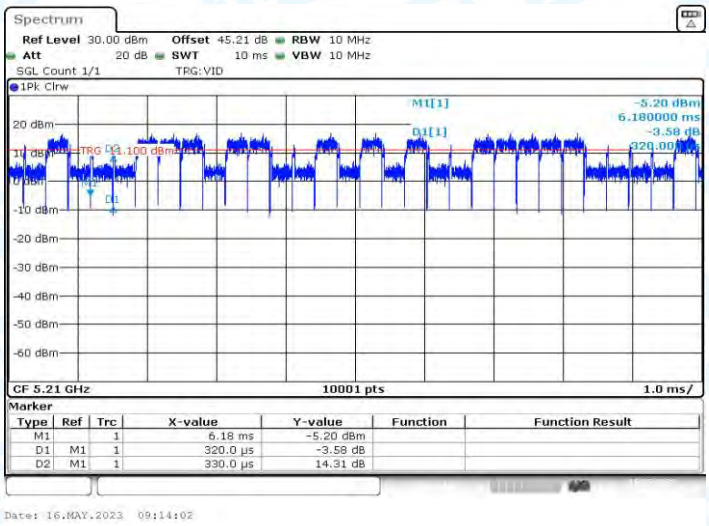
11AC20



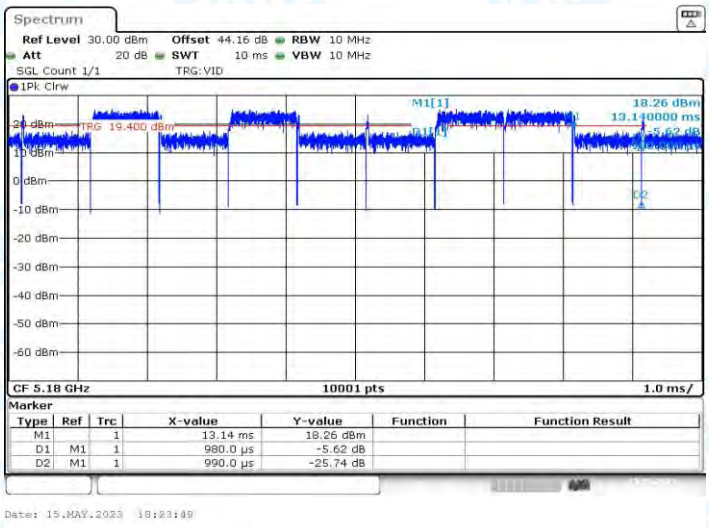
11AC40



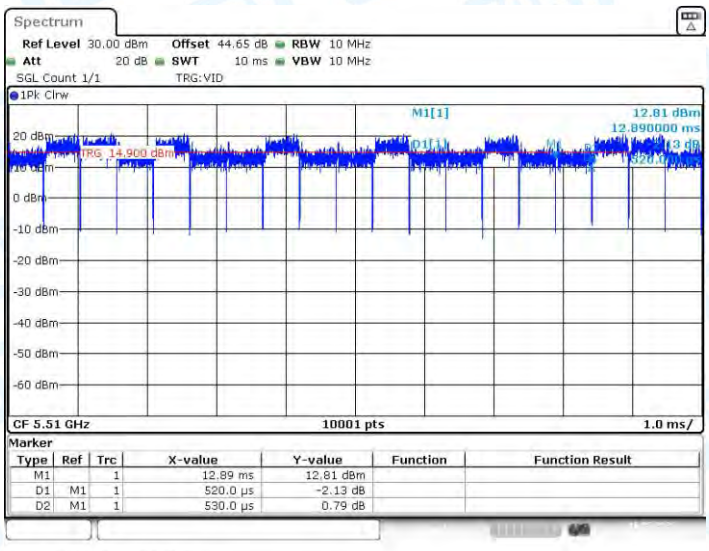
11AC80



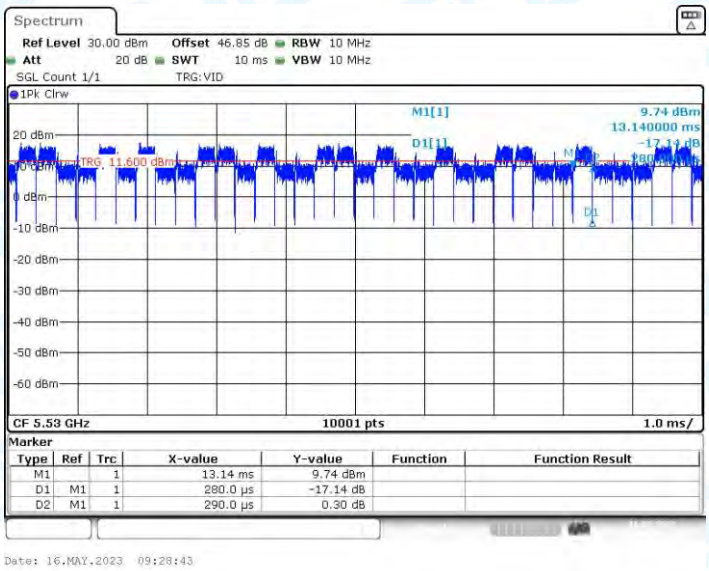
11AX20



11AX40



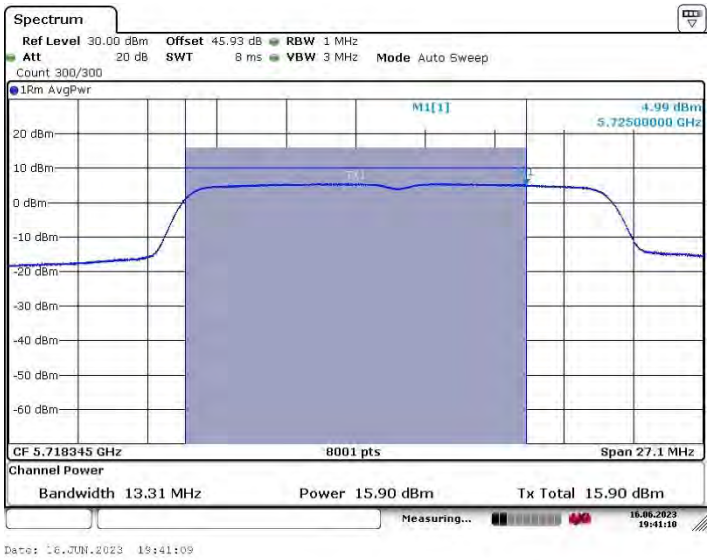
11AX80


Spectrum
Ref Level 30.00 dBm Offset 46.85 dB RBW 10 MHz
Att 20 dB SWT 10 ms VBW 10 MHz
SGL Count 1/1 TRG:VID
1Pk Clrw
M1[1] 9.74 dBm
13.140000 ms
D1[1] -17.14 dB
TRG, 11.600 dBm
20 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
CF 5.53 GHz 10001 pts 1.0 ms/
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 13.14 ms 9.74 dBm
D1 M1 1 280.0 µs -17.14 dB
D2 M1 1 290.0 µs 0.30 dB
Date: 16.MAY.2023 09:28:43

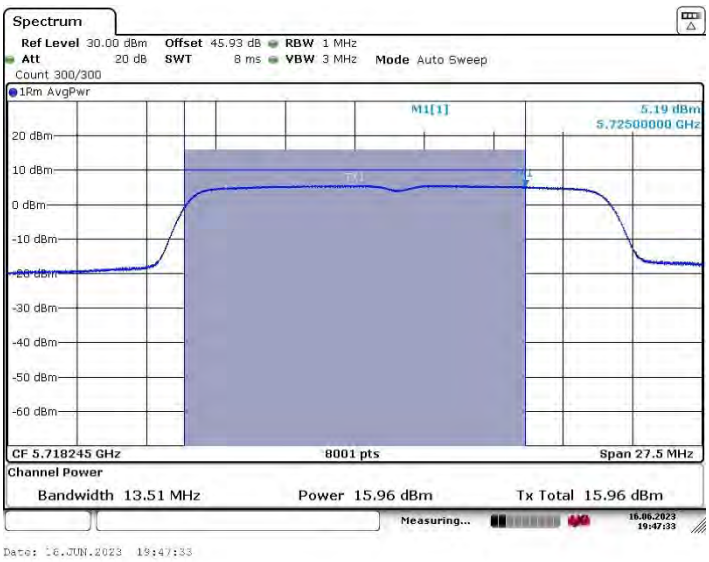
Test Mode	Ant.	Channel	EIRP [dBm]	Gain [dBi]	Conducted Power [dBm]	EIRP Limit [dBm]	Conducted Power Limit [dBm]	Verdict
11A	Ant1	5180	18.67	3.35	15.32	≤23	≤24	PASS
	Ant2	5180	17.24	3.06	14.18	≤23	≤24	PASS
	Ant1	5200	18.45	3.35	15.10	≤23	≤24	PASS
	Ant2	5200	18.41	3.06	15.35	≤23	≤24	PASS
	Ant1	5240	18.69	3.35	15.34	≤23	≤24	PASS
	Ant2	5240	18.14	3.06	15.08	≤23	≤24	PASS
	Ant1	5260	18.03	3.11	14.92	≤30	≤24	PASS
	Ant2	5260	17.92	2.33	15.59	≤30	≤24	PASS
	Ant1	5280	17.41	3.11	14.30	≤30	≤24	PASS
	Ant2	5280	18.73	2.33	16.40	≤30	≤24	PASS
	Ant1	5320	17.28	3.11	14.17	≤30	≤24	PASS
	Ant2	5320	18.63	2.33	16.30	≤30	≤24	PASS
	Ant1	5500	17.84	1.97	15.87	≤30	≤24	PASS
	Ant2	5500	18.24	2.24	16.00	≤30	≤24	PASS
	Ant1	5580	17.12	1.97	15.15	≤30	≤24	PASS
	Ant2	5580	17.26	2.24	15.02	≤30	≤24	PASS
	Ant1	5700	15.69	1.97	13.72	≤30	≤24	PASS
	Ant2	5700	16.68	2.24	14.44	≤30	≤24	PASS
	Ant1	5745	18.99	2.26	16.73	≤36	≤30	PASS
	Ant2	5745	18.39	2.22	16.17	≤36	≤30	PASS
	Ant1	5785	18.28	2.26	16.02	≤36	≤30	PASS
	Ant2	5785	18.39	2.22	16.17	≤36	≤30	PASS
	Ant1	5825	17.42	2.26	15.16	≤36	≤30	PASS
	Ant2	5825	17.53	2.22	15.31	≤36	≤30	PASS
11N20MIMO	Ant1&Ant2	5180	18.48	6.22	12.26	≤23	≤23.78	PASS
		5200	17.47	6.22	11.25	≤23	≤23.78	PASS
		5240	17.62	6.22	11.40	≤23	≤23.78	PASS
		5260	17.53	5.74	11.79	≤30	≤24	PASS
		5280	17.50	5.74	11.76	≤30	≤24	PASS
		5320	17.07	5.74	11.33	≤30	≤24	PASS
		5500	17.77	5.12	12.65	≤30	≤24	PASS
		5580	17.50	5.12	12.38	≤30	≤24	PASS
		5700	17.42	5.12	12.30	≤30	≤24	PASS
		5745	17.66	5.25	12.41	≤36	≤30	PASS
		5785	16.94	5.25	11.69	≤36	≤30	PASS
		5825	15.69	5.25	10.44	≤36	≤30	PASS
11N40 MIMO	Ant1&Ant2	5190	16.61	6.22	10.39	≤23	≤23.78	PASS
		5230	16.35	6.22	10.13	≤23	≤23.78	PASS
		5270	15.38	5.74	9.64	≤30	≤24	PASS
		5310	15.95	5.74	10.21	≤30	≤24	PASS
		5510	15.03	5.12	9.91	≤30	≤24	PASS
		5550	15.21	5.12	10.09	≤30	≤24	PASS
		5670	15.04	5.12	9.92	≤30	≤24	PASS
		5755	17.60	5.25	12.35	≤36	≤30	PASS
		5795	16.76	5.25	11.51	≤36	≤30	PASS
11AC20 MIMO	Ant1&Ant2	5180	17.86	6.22	11.64	≤23	≤23.78	PASS
		5200	17.48	6.22	11.26	≤23	≤23.78	PASS
		5240	17.24	6.22	11.02	≤23	≤23.78	PASS
		5260	16.94	5.74	11.20	≤30	≤24	PASS
		5280	17.78	5.74	12.04	≤30	≤24	PASS
		5320	16.28	5.74	10.54	≤30	≤24	PASS
		5500	16.26	5.12	11.14	≤30	≤24	PASS
		5580	16.00	5.12	10.88	≤30	≤24	PASS
		5700	16.30	5.12	11.18	≤30	≤24	PASS
		5745	17.90	5.25	12.65	≤36	≤30	PASS

		5785	16.88	5.25	11.63	≤36	≤30	PASS
		5825	16.70	5.25	11.45	≤36	≤30	PASS
11AC40 MIMO	Ant1&Ant2	5190	17.27	6.22	11.05	≤23	≤23.78	PASS
		5230	17.58	6.22	11.36	≤23	≤23.78	PASS
		5270	16.60	5.74	10.86	≤30	≤24	PASS
		5310	17.05	5.74	11.31	≤30	≤24	PASS
		5510	17.47	5.12	12.35	≤30	≤24	PASS
		5550	17.34	5.12	12.22	≤30	≤24	PASS
		5670	15.40	5.12	10.28	≤30	≤24	PASS
		5755	17.52	5.25	12.27	≤36	≤30	PASS
		5795	17.37	5.25	12.12	≤36	≤30	PASS
11AC80 MIMO	Ant1&Ant2	5210	16.28	6.22	10.06	≤23	≤23.78	PASS
		5290	16.23	5.74	10.49	≤30	≤24	PASS
		5530	16.51	5.12	11.39	≤30	≤24	PASS
		5775	17.97	5.25	12.72	≤36	≤30	PASS
11AX20 MIMO	Ant1&Ant2	5180	18.46	6.22	12.24	≤23	≤23.78	PASS
		5200	17.36	6.22	11.14	≤23	≤23.78	PASS
		5240	17.36	6.22	11.14	≤23	≤23.78	PASS
		5260	16.88	5.74	11.14	≤30	≤24	PASS
		5280	17.64	5.74	11.90	≤30	≤24	PASS
		5320	16.48	5.74	10.74	≤30	≤24	PASS
		5500	16.70	5.12	11.58	≤30	≤24	PASS
		5580	17.68	5.12	12.56	≤30	≤24	PASS
		5700	15.94	5.12	10.82	≤30	≤24	PASS
		5745	17.74	5.25	12.49	≤36	≤30	PASS
		5785	17.63	5.25	12.38	≤36	≤30	PASS
		5825	16.87	5.25	11.62	≤36	≤30	PASS
11AX40 MIMO	Ant1&Ant2	5190	17.17	6.22	10.95	≤23	≤23.78	PASS
		5230	17.77	6.22	11.55	≤23	≤23.78	PASS
		5270	17.12	5.74	11.38	≤30	≤24	PASS
		5310	17.23	5.74	11.49	≤30	≤24	PASS
		5510	17.15	5.12	12.03	≤30	≤24	PASS
		5550	16.71	5.12	11.59	≤30	≤24	PASS
		5670	16.97	5.12	11.85	≤30	≤24	PASS
		5755	18.09	5.25	12.84	≤36	≤30	PASS
		5795	17.97	5.25	12.72	≤36	≤30	PASS
11AX80 MIMO	Ant1&Ant2	5210	16.76	6.22	10.54	≤23	≤23.78	PASS
		5290	16.67	5.74	10.93	≤30	≤24	PASS
		5530	16.83	5.12	11.71	≤30	≤24	PASS
		5775	18.18	5.25	12.93	≤36	≤30	PASS
Note: The EUT incorporates a MIMO function. Physically, the EUT provides three antennas for transmitting and receiving. When ANT. 1 and ANT. 2 transmitting simultaneously, For U-NII-1 the Directional Gain=6.22dBi＞6dBi. So $P_{out} = P_{limit}-(G-6)=23.78dBm$								
Note: Conducted Power=E.I.R.P.-Gain; Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2]$								

Test Mode	Ant.	Channel	EIRP [dBm]	Gain [dBi]	Conducted Power [dBm]	EIRP Limit [dBm]	Conducted Power Limit [dBm]	Verdict
11A	Ant1	5720_UNII-2C	15.90	1.97	13.93	≤30	≤24	PASS
	Ant2	5720_UNII-2C	15.96	2.24	13.72	≤30	≤24	PASS
	Ant1	5720_UNII-3	8.87	2.26	6.61	≤36	≤30	PASS
	Ant2	5720_UNII-3	8.81	2.22	6.59	≤36	≤30	PASS
	Ant1	5720	17.10	2.26	14.84	≤30	≤24	PASS
	Ant2	5720	17.04	2.22	14.82	≤30	≤24	PASS
11N20MIMO	Ant1&Ant2	5720_UNII-2C	14.96	5.12	9.84	≤30	≤24	PASS
		5720_UNII-3	3.50	5.25	-1.75	≤36	≤30	PASS
		5720	16.11	5.25	10.86	≤30	≤24	PASS
11N40 MIMO	Ant1&Ant2	5710_UNII-2C	14.12	5.12	9.00	≤30	≤24	PASS
		5710_UNII-3	3.50	5.25	-1.75	≤36	≤30	PASS
		5710	14.96	5.25	9.71	≤30	≤24	PASS
11AC20 MIMO	Ant1&Ant2	5720_UNII-2C	14.97	5.12	9.85	≤30	≤24	PASS
		5720_UNII-3	8.40	5.25	3.15	≤36	≤30	PASS
		5720	16.27	5.25	11.02	≤30	≤24	PASS
11AC40 MIMO	Ant1&Ant2	5710_UNII-2C	14.45	5.12	9.33	≤30	≤24	PASS
		5710_UNII-3	4.01	5.25	-1.24	≤36	≤30	PASS
		5710	17.09	5.25	11.84	≤30	≤24	PASS
11AC80 MIMO	Ant1&Ant2	5690_UNII-2C	14.46	5.12	9.34	≤30	≤24	PASS
		5690_UNII-3	2.71	5.25	-2.54	≤36	≤30	PASS
		5690	16.94	5.25	11.69	≤30	≤24	PASS
11AX20 MIMO	Ant1&Ant2	5720_UNII-2C	15.22	5.12	10.10	≤30	≤24	PASS
		5720_UNII-3	9.09	5.25	3.84	≤36	≤30	PASS
		5720	15.90	5.25	10.65	≤30	≤24	PASS
11AX40 MIMO	Ant1&Ant2	5710_UNII-2C	13.72	5.12	8.60	≤30	≤24	PASS
		5710_UNII-3	3.95	5.25	-1.30	≤36	≤30	PASS
		5710	17.09	5.25	11.84	≤30	≤24	PASS
11AX80 MIMO	Ant1&Ant2	5690_UNII-2C	15.05	5.12	9.93	≤30	≤24	PASS
		5690_UNII-3	3.55	5.25	-1.70	≤36	≤30	PASS
		5690	17.19	5.25	11.94	≤30	≤24	PASS
Note: The EUT incorporates a MIMO function. Physically, the EUT provides three antennas for transmitting and receiving. When ANT. 1 and ANT. 2 transmitting simultaneously, the Directional Gain＜6dBi. So $P_{out} = P_{limit}$								
Note: Conducted Power=E.I.R.P.-Gain; Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / 2]								



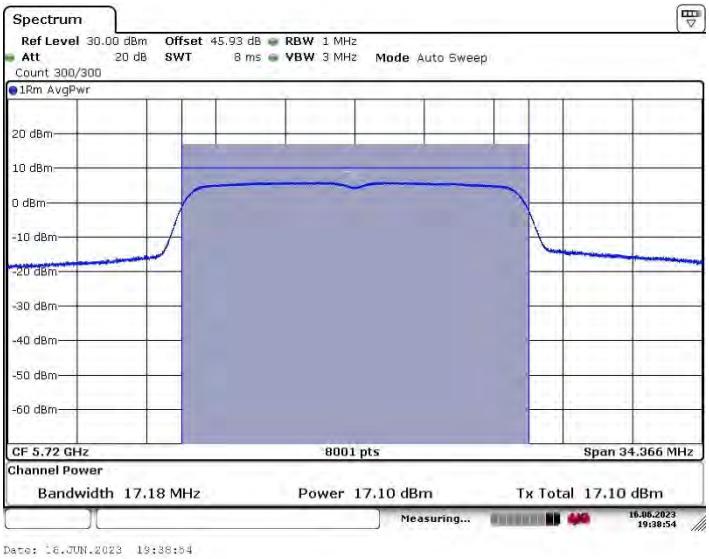
11A_Ant1_5720_UNII-2C



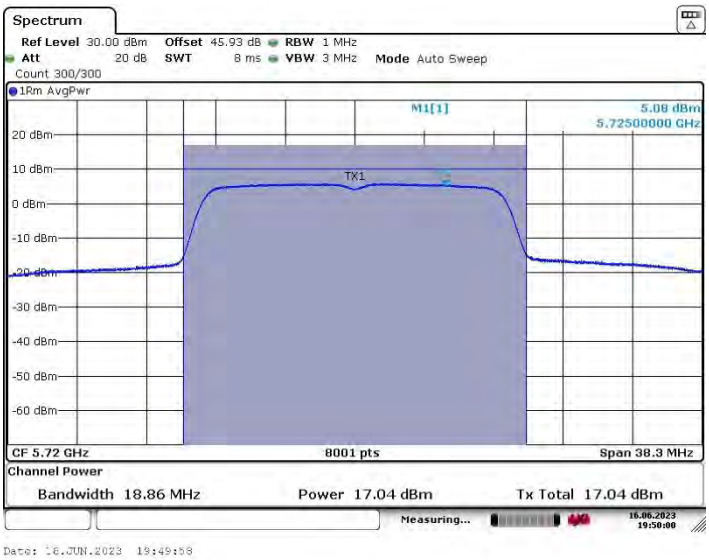
11A_Ant2_5720_UNII-2C

11A_Ant1_5720_UNII-3

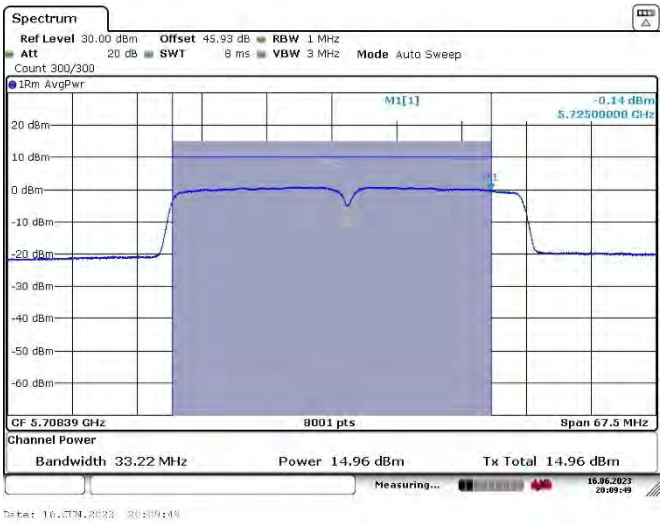
11A_Ant2_5720_UNII-3



11A_Ant1_5720

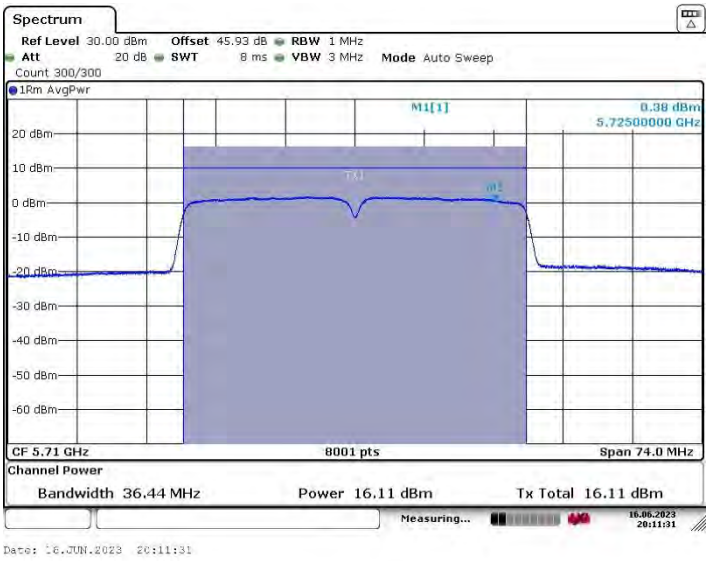


11A_Ant2_5720



11N20_Ant1&Ant2_5720_UNII-2C

11N20_ Ant1&Ant2_5720_UNII-3



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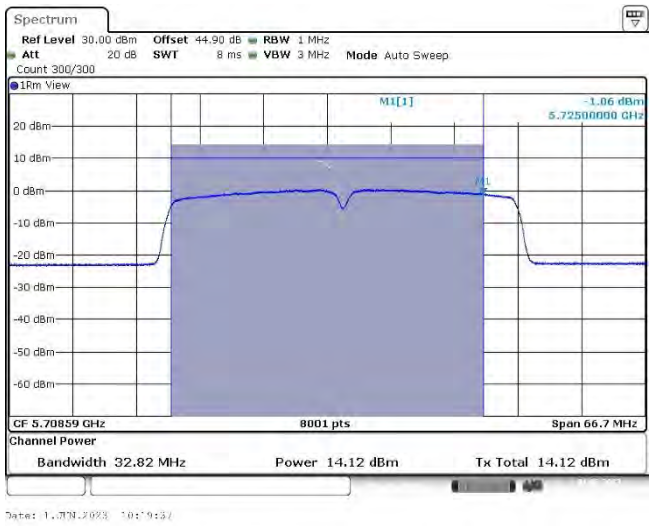
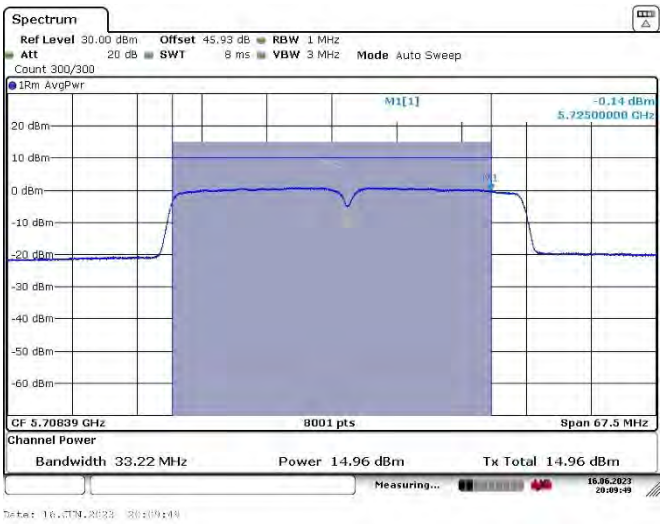
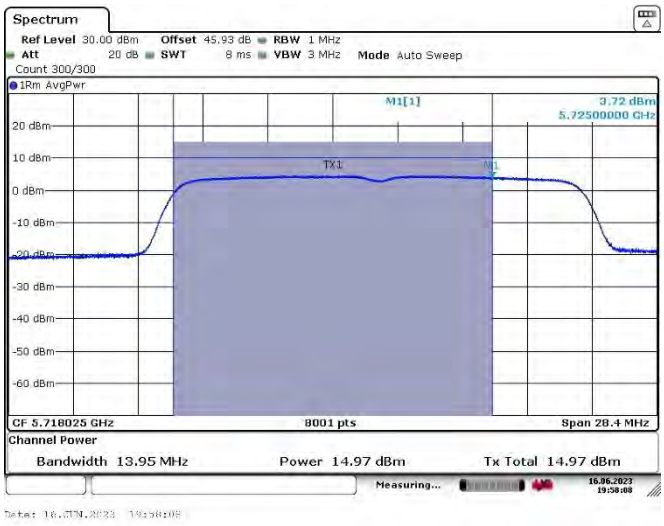

11N40_ Ant1&Ant2_5710_UNII-2C

11N40_ Ant1&Ant2_5710_UNII-3

11N40_ Ant1&Ant2_5710



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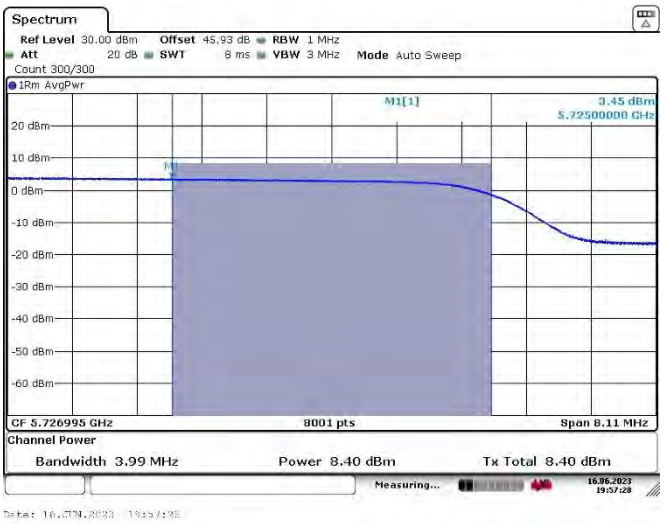
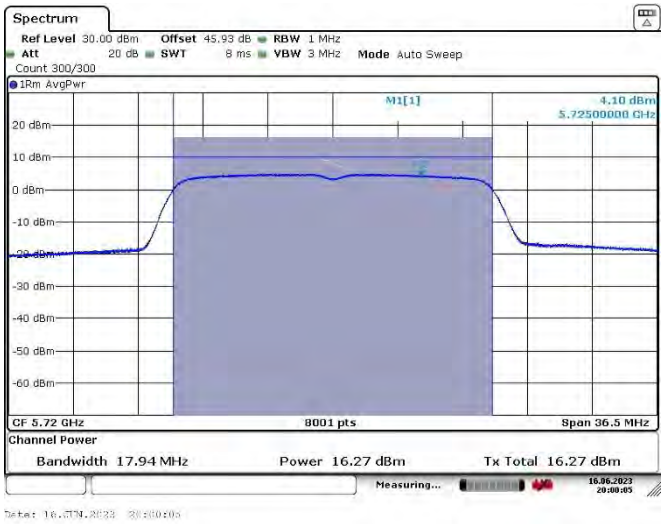
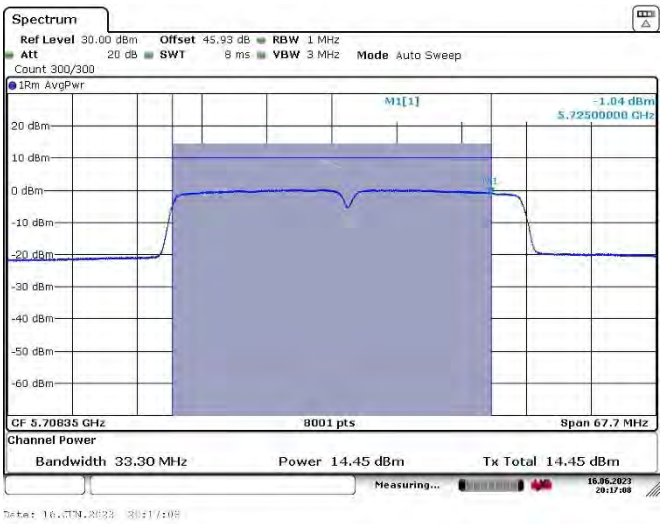


11AC20_ Ant1&Ant2_5720_UNII-3

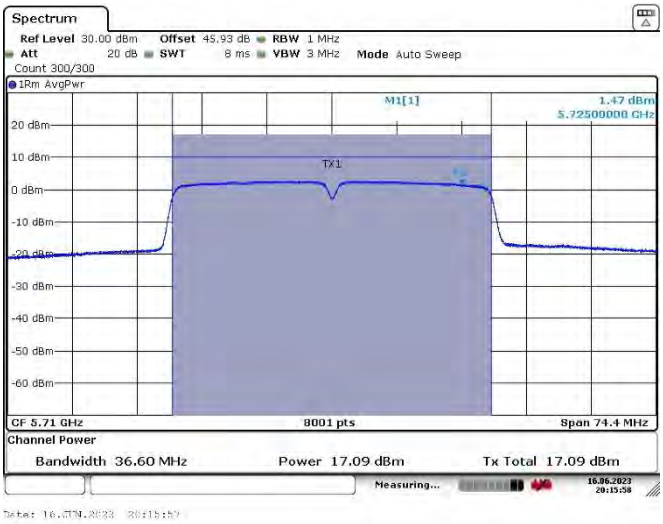


11AC20_ Ant1&Ant2_5720

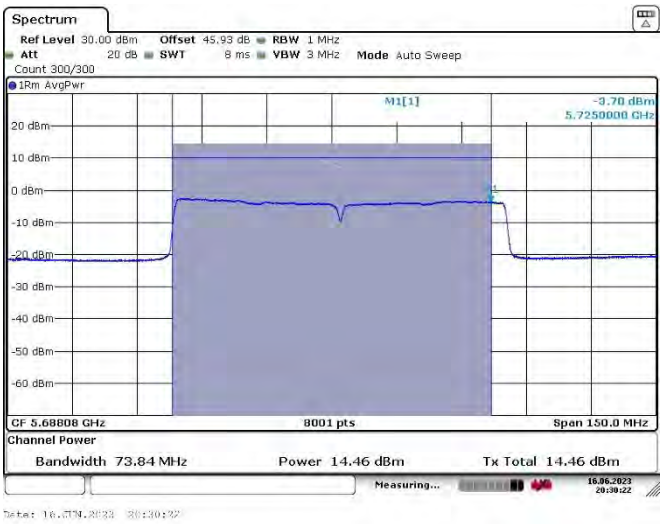


11AC40_ Ant1&Ant2_5710_UNII-2C

11AC40_ Ant1&Ant2_5710_UNII-3

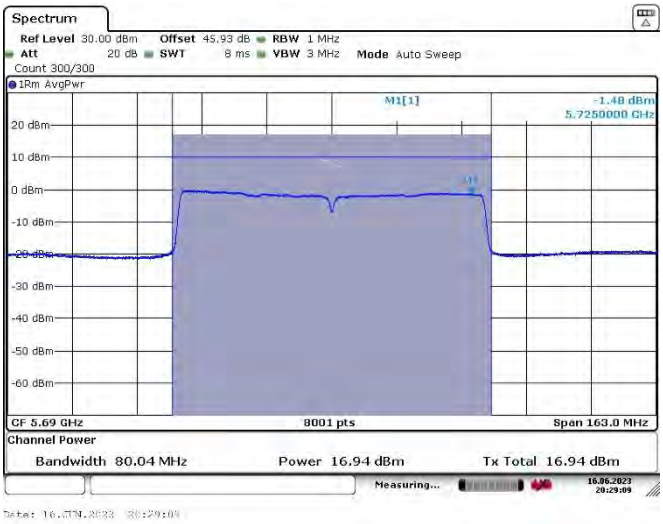


11AC40_ Ant1&Ant2_5710



11AC80_ Ant1&Ant2_5690_UNII-2C

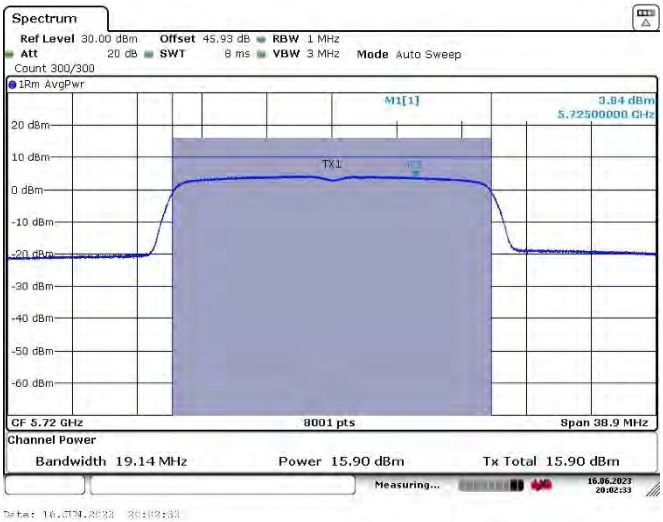
11AC80_ Ant1&Ant2_5690_UNII-3



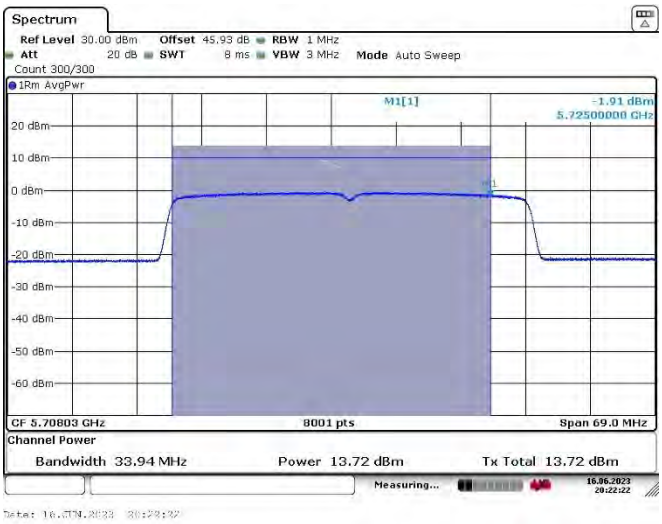
11AC80_ Ant1&Ant2_5690

11AX20_ Ant1&Ant2_5720_UNII-2C

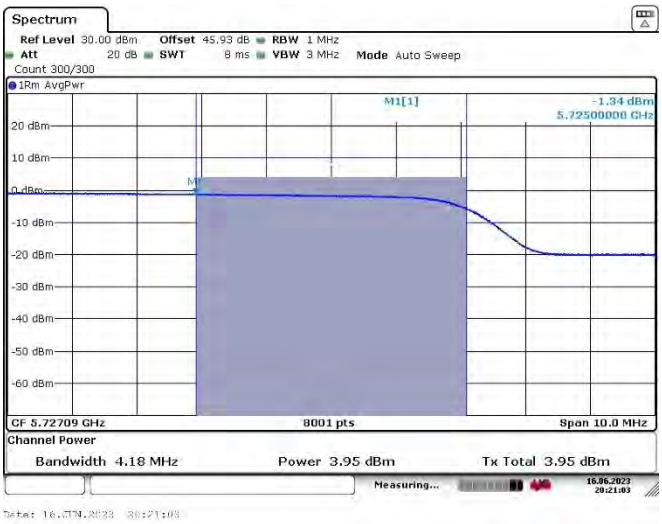
11AX20_ Ant1&Ant2_5720_UNII-3



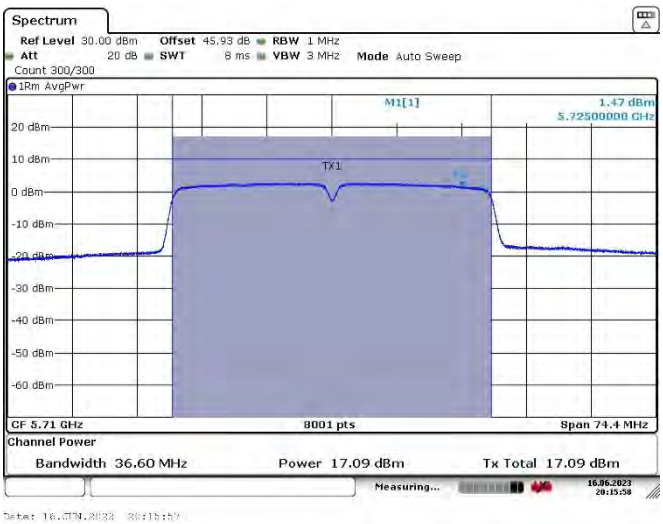
11AX20_ Ant1&Ant2_5720



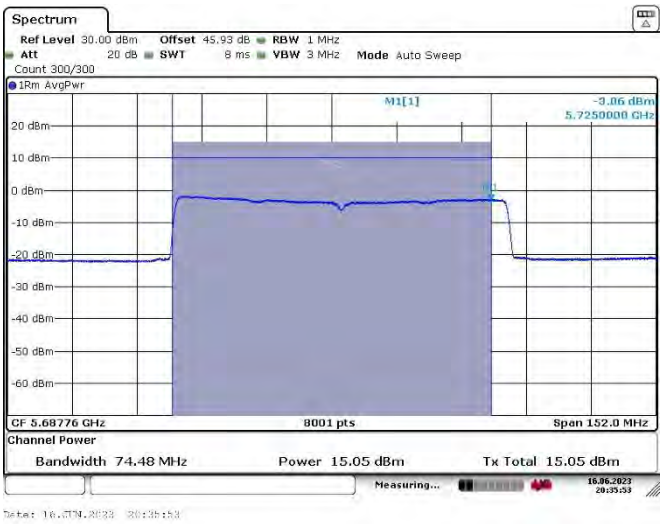
11AX40_ Ant1&Ant2_5710_UNII-2C



11AX40_ Ant1&Ant2_5710_UNII-3

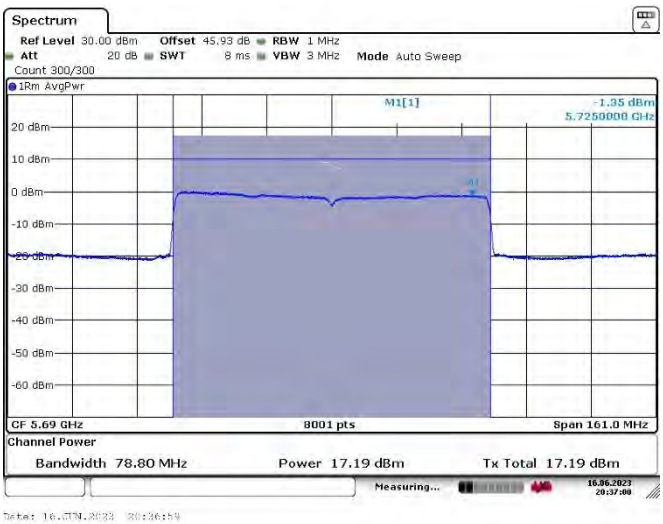


11AX40_ Ant1&Ant2



11AX80_ Ant1&Ant2_5690_UNII-2C

11AX80_ Ant1&Ant2_5690_UNII-3



11AX80_ Ant1&Ant2

10. Power Spectral Density Test

10.1 Test Standard and Limit

10.1.1 Test Standard

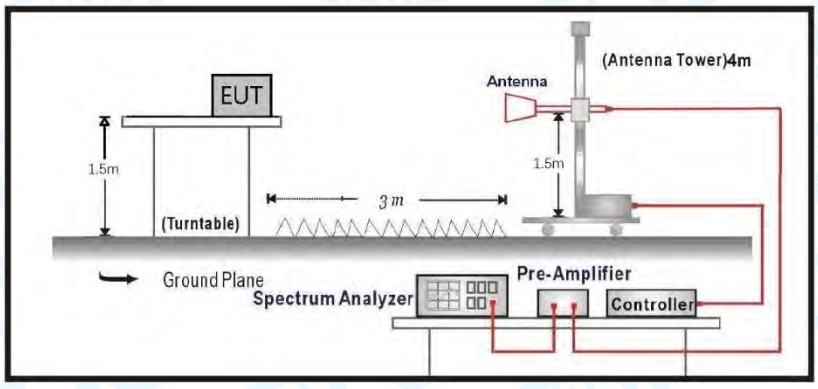
RSS 247 (6.2.11&6.2.2.1&6.2.3.1&6.2.4.1)

FCC Part 15.407(a)

10.1.2 Test Limit

Test Item	Limit		Frequency Range(MHz)
Power Spectral Density	FCC	Master Device: 17dBm/MHz Client Device: 11dBm/MHz	5150~5250
	IC	10dBm/MHz E.I.R.P. PSD	
	11dBm/MHz		5250~5350
	11dBm/MHz		5500~5725
	30dBm/500kHz		5725~5850

10.2 Test Setup



10.3 Test Procedure

●Notwithstanding that some regulatory requirements refer to peak power spectral density (PPSD), in some cases the intent is to measure the maximum value of the time average of the power spectral density during a period of continuous transmission. The procedure for this method is as follows:

a) Create an average power spectrum for the EUT operating mode being tested by following the instructions in 12.3.2 for measuring maximum conducted output power using a spectrum analyzer or EMI receiver; that is, select the appropriate test method (SA-1, SA-2, SA-3, or their respective alternatives) and apply it up to, but not including, the step labeled, "Compute power…."(This procedure is required even if the maximum conducted output power measurement was performed using the power meter method PM.)

b) Use the peak search function on the instrument to find the peak of the spectrum.