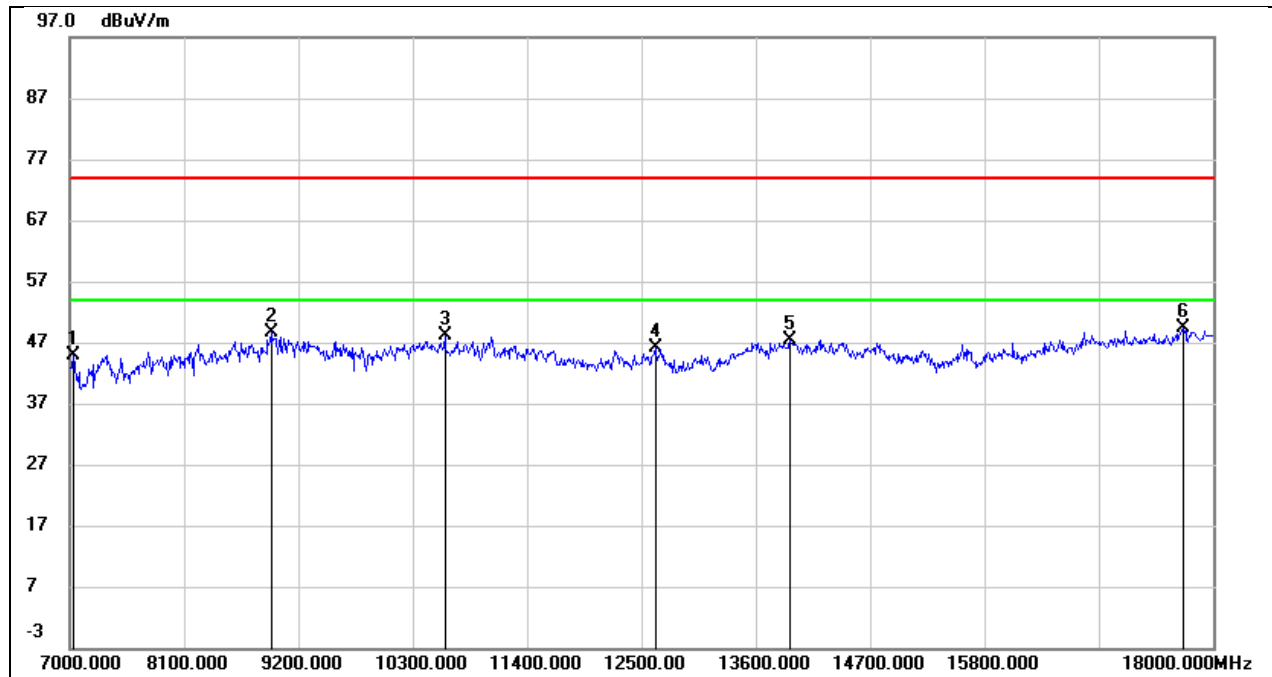
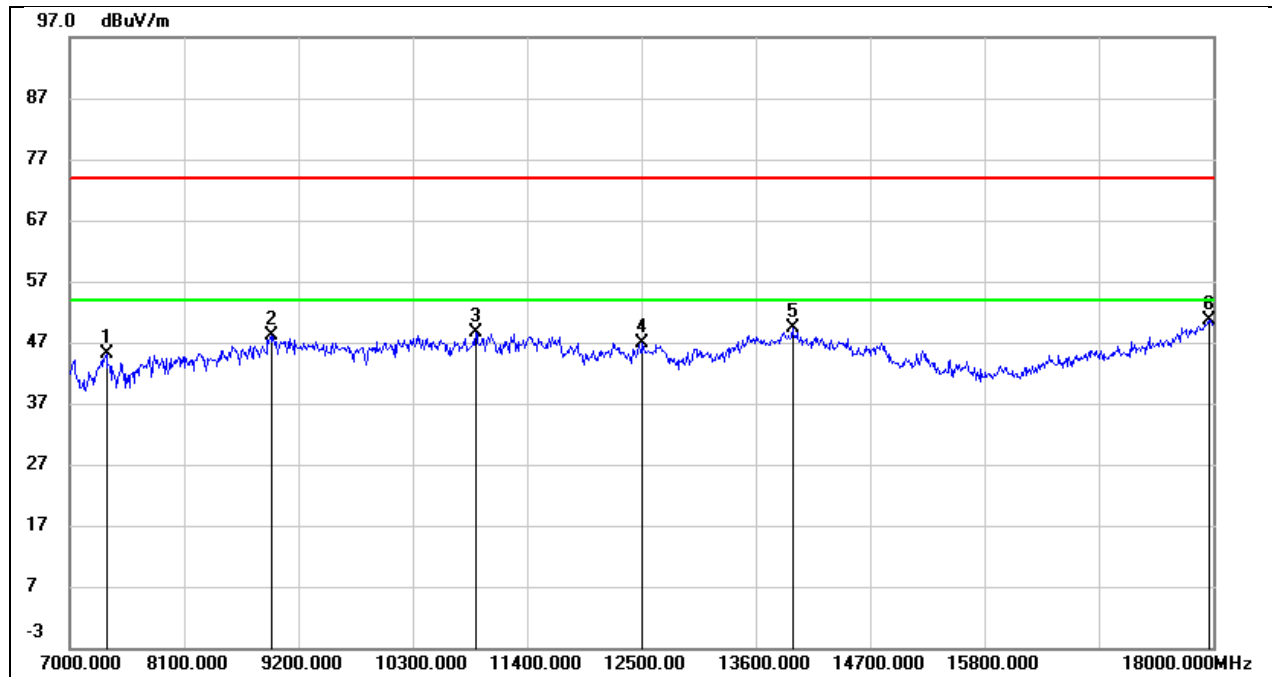


Test Mode:	802.11n HT40	Frequency(MHz):	5755
Polarity:	Vertical	Test Voltage:	DC 3.87V



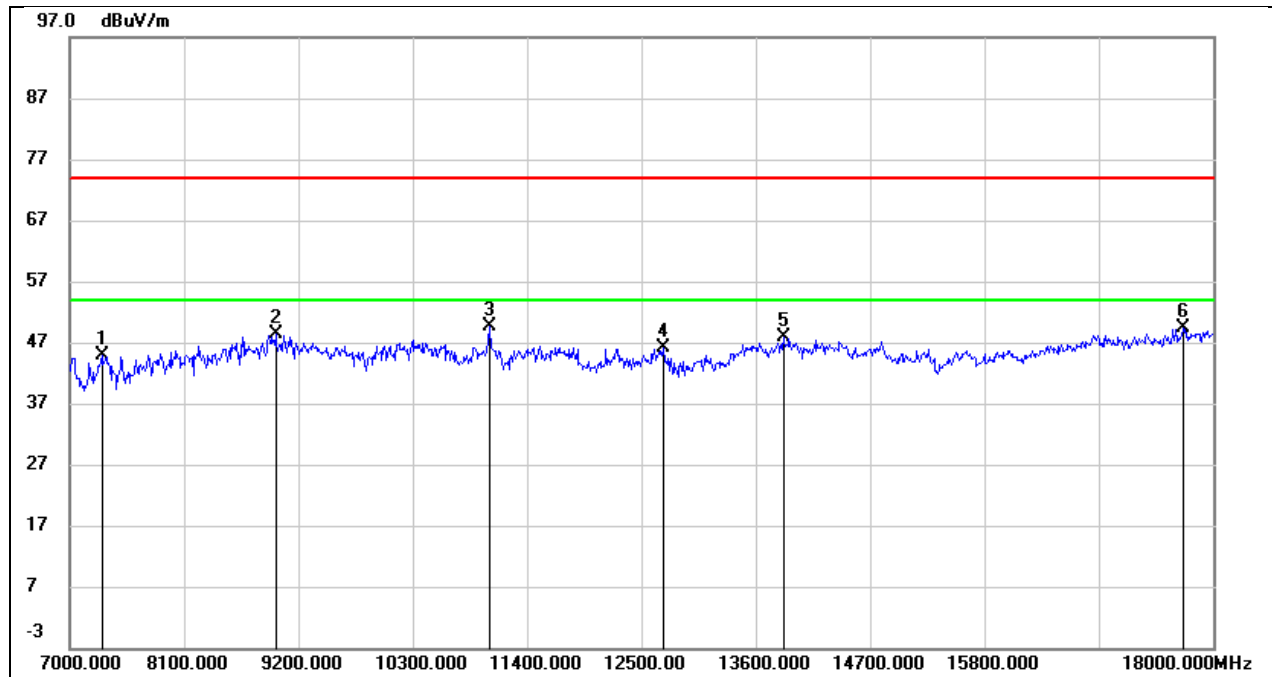
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7033.000	36.36	8.56	44.92	74.00	-29.08	peak
2	8936.000	37.09	11.44	48.53	74.00	-25.47	peak
3	10608.000	34.86	13.18	48.04	74.00	-25.96	peak
4	12632.000	29.12	17.05	46.17	74.00	-27.83	peak
5	13930.000	26.56	20.76	47.32	74.00	-26.68	peak
6	17714.000	24.19	25.24	49.43	74.00	-24.57	peak

Test Mode:	802.11n HT40	Frequency(MHz):	5795
Polarity:	Horizontal	Test Voltage:	DC 3.87V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7352.000	36.92	8.24	45.16	74.00	-28.84	peak
2	8947.000	36.83	11.18	48.01	74.00	-25.99	peak
3	10905.000	34.36	14.25	48.61	74.00	-25.39	peak
4	12511.000	28.61	18.15	46.76	74.00	-27.24	peak
5	13952.000	26.87	22.39	49.26	74.00	-24.74	peak
6	17956.000	22.52	28.21	50.73	74.00	-23.27	peak

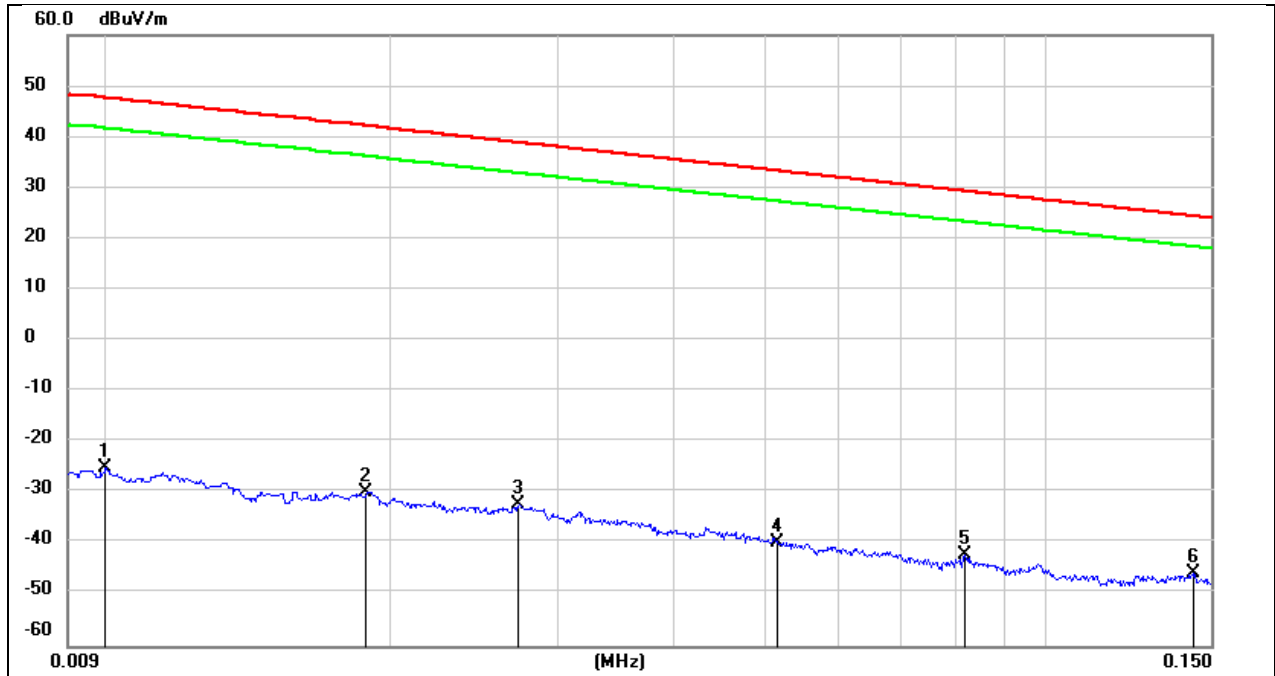
Test Mode:	802.11n HT40	Frequency(MHz):	5795
Polarity:	Vertical	Test Voltage:	DC 3.87V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7308.000	36.37	8.54	44.91	74.00	-29.09	peak
2	8980.000	36.37	12.07	48.44	74.00	-25.56	peak
3	11037.000	35.52	14.01	49.53	74.00	-24.47	peak
4	12709.000	28.81	17.21	46.02	74.00	-27.98	peak
5	13864.000	27.24	20.67	47.91	74.00	-26.09	peak
6	17714.000	24.17	25.24	49.41	74.00	-24.59	peak

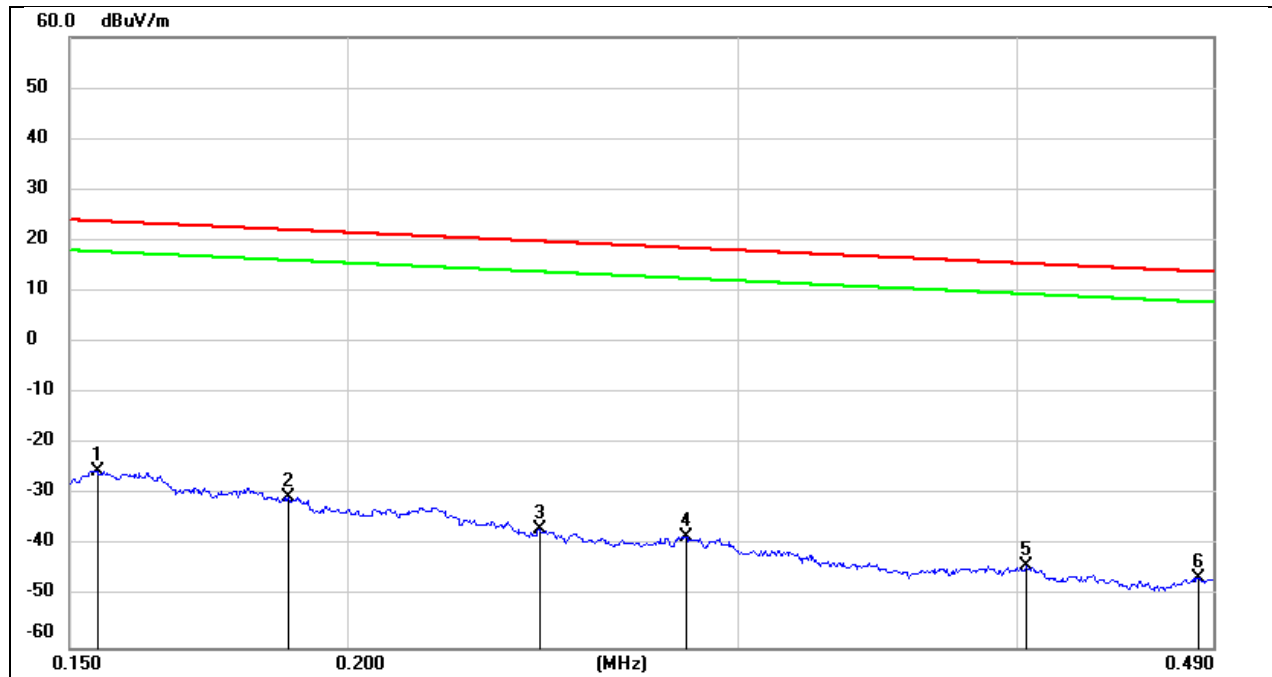
8.4. SPURIOUS EMISSIONS(9 KHZ~30 MHZ)

Test Mode:	802.11a20	Frequency(MHz):	5180
Polarity:	Horizontal	Test Voltage:	DC 5V



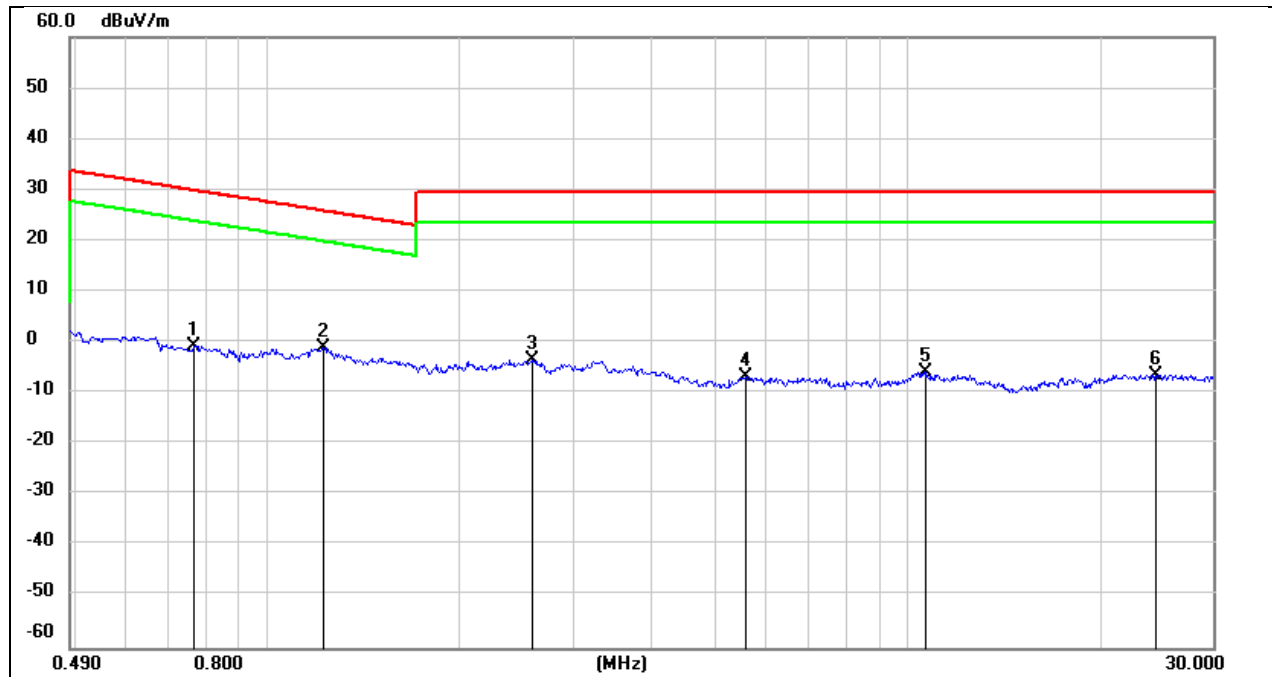
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0100	76.22	-101.40	-25.18	47.60	-72.78	peak
2	0.0188	71.64	-101.35	-29.71	42.12	-71.83	peak
3	0.0273	68.99	-101.38	-32.39	38.88	-71.27	peak
4	0.0516	61.80	-101.48	-39.68	33.35	-73.03	peak
5	0.0819	59.52	-101.65	-42.13	29.34	-71.47	peak
6	0.1440	55.82	-101.65	-45.83	24.43	-70.26	peak

Test Mode:	802.11a20	Frequency(MHz):	5180
Polarity:	Horizontal	Test Voltage:	DC 5V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.1544	76.29	-101.65	-25.36	23.83	-49.19	peak
2	0.1880	71.25	-101.70	-30.45	22.12	-52.57	peak
3	0.2442	65.03	-101.79	-36.76	19.85	-56.61	peak
4	0.2837	63.72	-101.83	-38.11	18.54	-56.65	peak
5	0.4042	57.92	-101.96	-44.04	15.47	-59.51	peak
6	0.4823	55.69	-102.04	-46.35	13.94	-60.29	peak

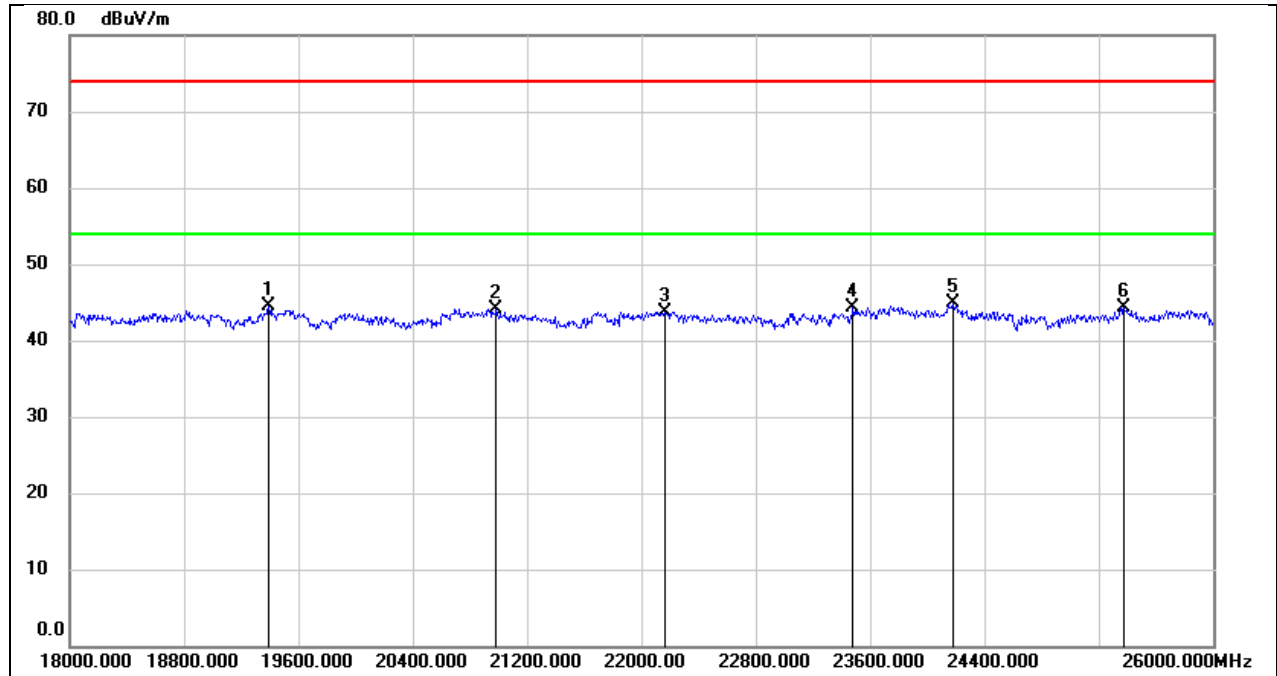
Test Mode:	802.11a20	Frequency(MHz):	5180
Polarity:	Horizontal	Test Voltage:	DC 5V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.7641	61.42	-62.12	-0.70	29.94	-30.64	peak
2	1.2214	61.12	-62.16	-1.04	25.87	-26.91	peak
3	2.5935	58.11	-61.68	-3.57	29.54	-33.11	peak
4	5.5952	54.55	-61.41	-6.86	29.54	-36.40	peak
5	10.7004	54.86	-60.83	-5.97	29.54	-35.51	peak
6	24.5106	54.08	-60.49	-6.41	29.54	-35.95	peak

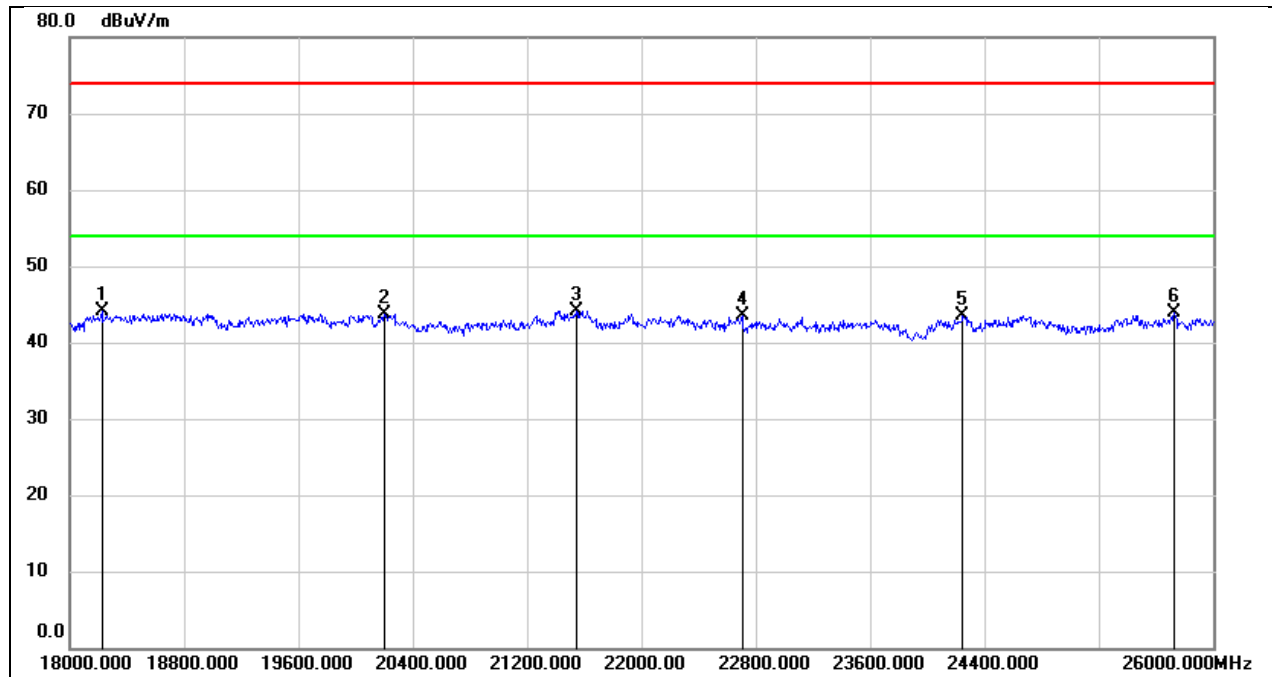
8.5. SPURIOUS EMISSIONS(18 GHZ~26 GHZ)

Test Mode:	802.11a 20	Frequency(MHz):	5180
Polarity:	Horizontal	Test Voltage:	DC 5V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	19392.000	50.12	-5.57	44.55	74.00	-29.45	peak
2	20984.000	49.06	-4.89	44.17	74.00	-29.83	peak
3	22160.000	48.08	-4.31	43.77	74.00	-30.23	peak
4	23480.000	47.54	-3.16	44.38	74.00	-29.62	peak
5	24176.000	47.69	-2.80	44.89	74.00	-29.11	peak
6	25376.000	46.11	-1.73	44.38	74.00	-29.62	peak

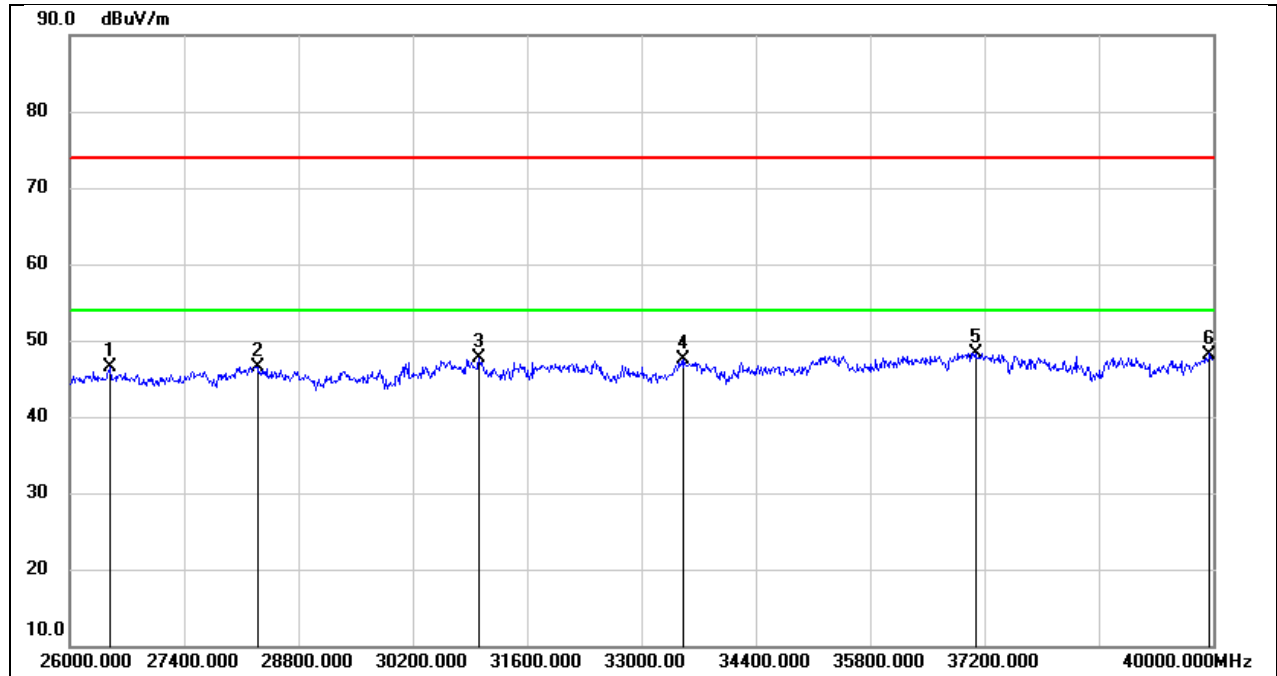
Test Mode:	802.11a 20	Frequency(MHz):	5180
Polarity:	Vertical	Test Voltage:	DC 5V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18224.000	49.58	-5.53	44.05	74.00	-29.95	peak
2	20200.000	49.33	-5.58	43.75	74.00	-30.25	peak
3	21544.000	48.76	-4.63	44.13	74.00	-29.87	peak
4	22704.000	47.15	-3.73	43.42	74.00	-30.58	peak
5	24248.000	46.25	-2.83	43.42	74.00	-30.58	peak
6	25728.000	44.61	-0.72	43.89	74.00	-30.11	peak

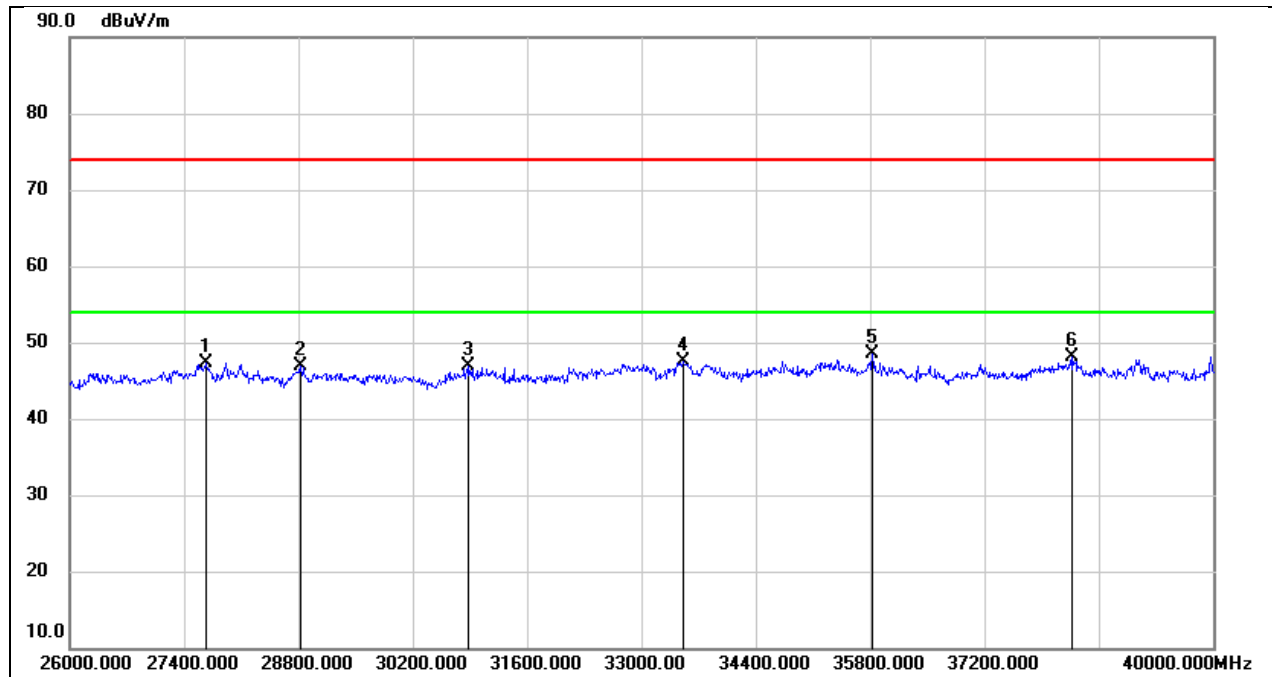
8.6. SPURIOUS EMISSIONS(26 GHZ~40 GHZ)

Test Mode:	802.11a 20	Frequency(MHz):	5180
Polarity:	Horizontal	Test Voltage:	DC 5V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	26490.000	51.29	-4.74	46.55	74.00	-27.45	peak
2	28296.000	48.96	-2.45	46.51	74.00	-27.49	peak
3	31012.000	48.33	-0.71	47.62	74.00	-26.38	peak
4	33518.000	47.02	0.56	47.58	74.00	-26.42	peak
5	37088.000	45.11	3.19	48.30	74.00	-25.70	peak
6	39958.000	43.08	5.12	48.20	74.00	-25.80	peak

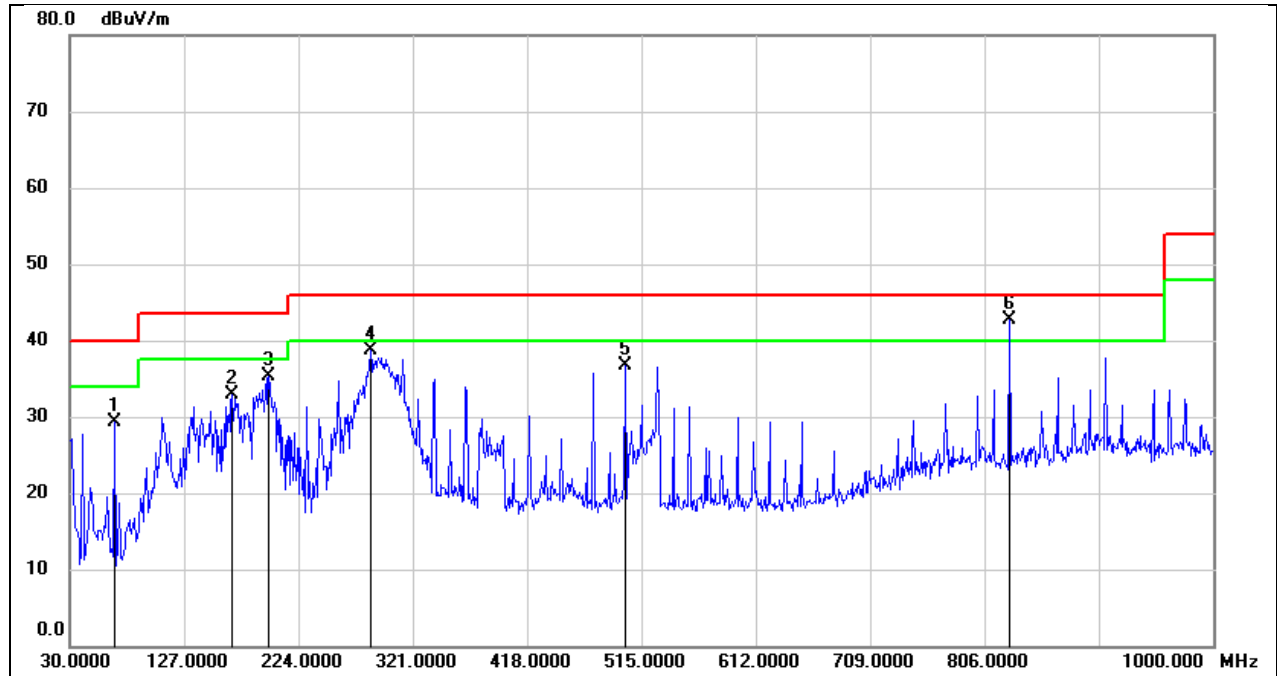
Test Mode:	802.11a 20	Frequency(MHz):	5180
Polarity:	Vertical	Test Voltage:	DC 5V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	27666.000	50.76	-3.50	47.26	74.00	-26.74	peak
2	28828.000	47.63	-0.79	46.84	74.00	-27.16	peak
3	30886.000	47.86	-0.93	46.93	74.00	-27.07	peak
4	33504.000	46.98	0.58	47.56	74.00	-26.44	peak
5	35828.000	44.75	3.67	48.42	74.00	-25.58	peak
6	38278.000	44.32	3.82	48.14	74.00	-25.86	peak

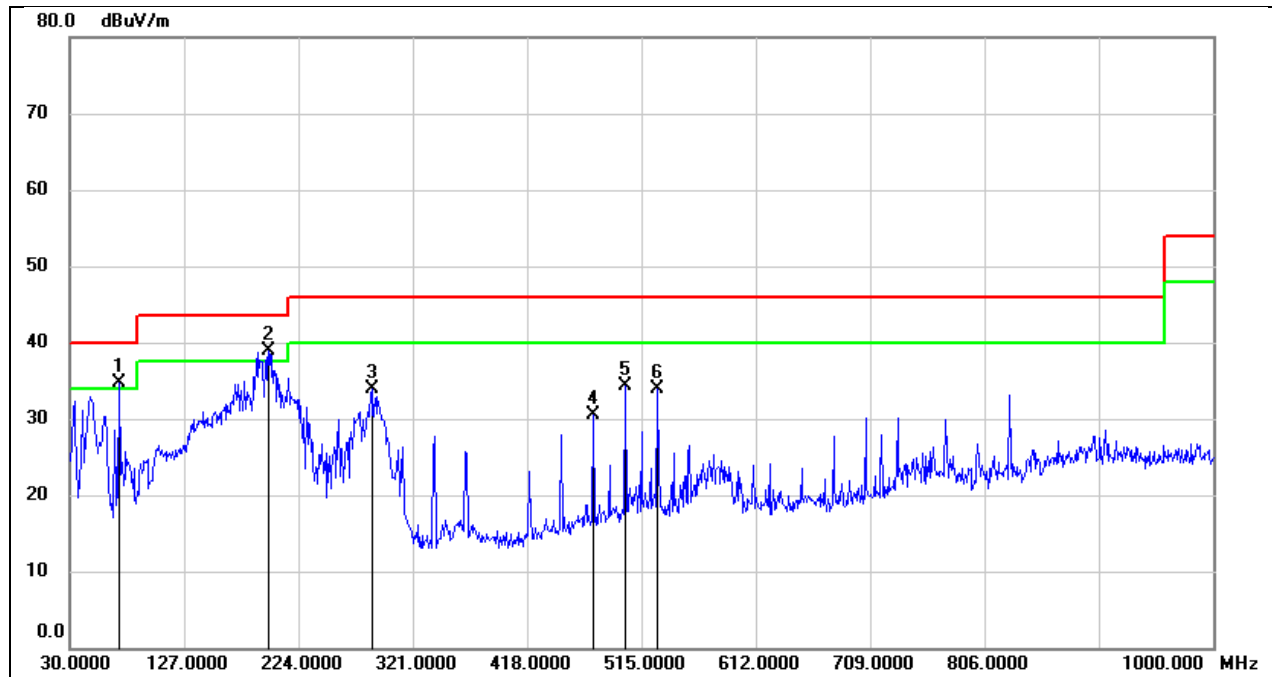
8.7. SPURIOUS EMISSIONS(30 MHZ~1 GHZ)

Test Mode:	802.11a 20	Frequency(MHz):	5180
Polarity:	Horizontal	Test Voltage:	AC120V_60Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	67.8300	45.26	-15.99	29.27	40.00	-10.73	QP
2	167.7400	44.54	-11.71	32.83	43.50	-10.67	QP
3	198.7800	46.96	-11.58	35.38	43.50	-8.12	QP
4	285.1099	50.85	-12.17	38.68	46.00	-7.32	QP
5	501.4200	43.80	-7.17	36.63	46.00	-9.37	QP
6	827.3400	44.76	-2.10	42.66	46.00	-3.34	QP

Test Mode:	802.11a 20	Frequency(MHz):	5180
Polarity:	Vertical	Test Voltage:	AC120V_60Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	71.7100	50.81	-16.16	34.65	40.00	-5.35	QP
2	198.7800	50.50	-11.58	38.92	43.50	-4.58	QP
3	287.0500	45.92	-12.05	33.87	46.00	-12.13	QP
4	474.2600	38.21	-7.69	30.52	46.00	-15.48	QP
5	501.4200	41.43	-7.17	34.26	46.00	-11.74	QP
6	528.5800	40.99	-7.00	33.99	46.00	-12.01	QP

9. AC POWER LINE CONDUCTED EMISSION

LIMITS

Please refer to CFR 47 FCC §15.207 (a) and ISSED RSS-Gen Clause 8.8

FREQUENCY (MHz)	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

*Decreases with the logarithm of the frequency.

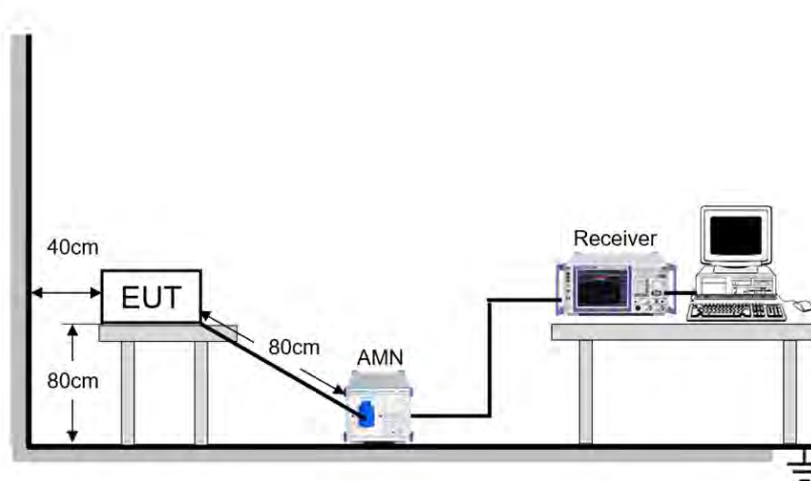
TEST PROCEDURE

Refer to ANSI C63.10-2013 clause 6.2.

The EUT is put on a table of non-conducting material that is 80 cm high. The vertical conducting wall of shielding is located 40 cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10-2013. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9 kHz.

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

TEST SETUP



TEST ENVIRONMENT

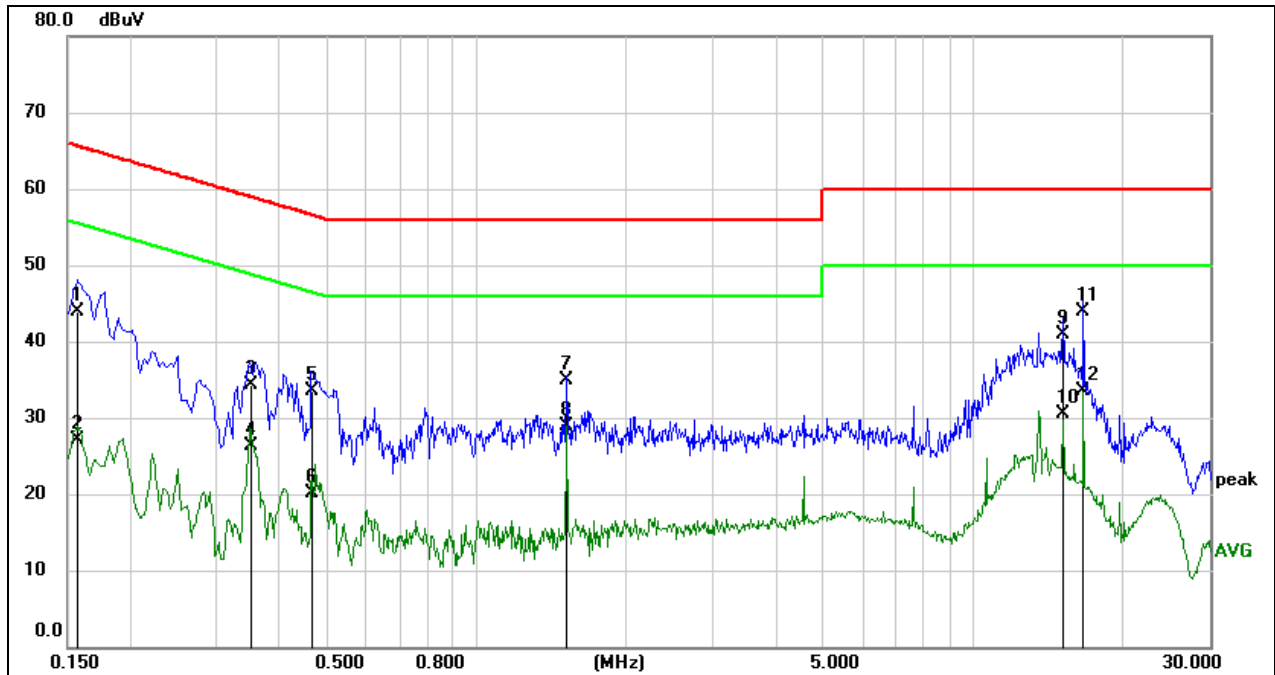
Temperature	22.3°C	Relative Humidity	56%
Atmosphere Pressure	101kPa	Test Voltage	AC 120V_60Hz

TEST DATE / ENGINEER

Test Date	August 30, 2024	Test By	James Qin
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TEST RESULTS

Test Mode:	802.11a 20	Frequency(MHz):	5180
Line:	Line		



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1564	33.48	10.33	43.81	65.65	-21.84	QP
2	0.1564	16.81	10.33	27.14	55.65	-28.51	AVG
3	0.3513	24.08	10.24	34.32	58.93	-24.61	QP
4	0.3513	16.09	10.24	26.33	48.93	-22.60	AVG
5	0.4690	23.32	10.24	33.56	56.53	-22.97	QP
6	0.4690	9.95	10.24	20.19	46.53	-26.34	AVG
7	1.5210	24.91	9.99	34.90	56.00	-21.10	QP
8	1.5210	18.87	9.99	28.86	46.00	-17.14	AVG
9	15.2096	30.45	10.55	41.00	60.00	-19.00	QP
10	15.2096	19.90	10.55	30.45	50.00	-19.55	AVG
11	16.7313	33.26	10.64	43.90	60.00	-16.10	QP
12	16.7313	22.94	10.64	33.58	50.00	-16.42	AVG

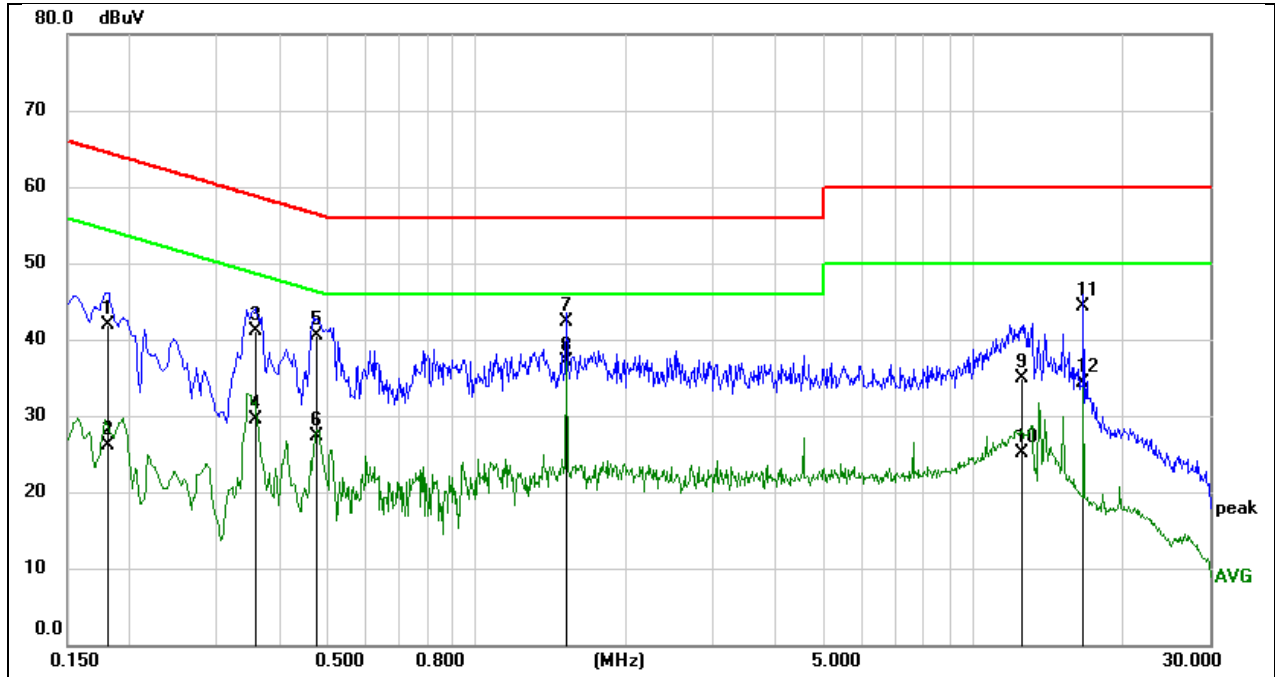
Note:

1. Result = Reading + Correct Factor.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).

4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

Note: All the modes have been tested, only the worst data was recorded in the report.

Test Mode:	802.11a 20	Frequency(MHz):	5180
Line:	Neutral		



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1798	31.65	10.18	41.83	64.49	-22.66	QP
2	0.1798	15.83	10.18	26.01	54.49	-28.48	AVG
3	0.3595	31.02	10.09	41.11	58.74	-17.63	QP
4	0.3595	19.43	10.09	29.52	48.74	-19.22	AVG
5	0.4742	30.48	10.05	40.53	56.44	-15.91	QP
6	0.4742	17.18	10.05	27.23	46.44	-19.21	AVG
7	1.5209	32.31	9.94	42.25	56.00	-13.75	QP
8	1.5209	27.19	9.94	37.13	46.00	-8.87	AVG
9	12.5725	24.36	10.53	34.89	60.00	-25.11	QP
10	12.5725	14.55	10.53	25.08	50.00	-24.92	AVG
11	16.7291	33.50	10.74	44.24	60.00	-15.76	QP
12	16.7291	23.54	10.74	34.28	50.00	-15.72	AVG

Note:

1. Result = Reading + Correct Factor.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).
4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

Note: All the modes have been tested, only the worst data was recorded in the report.

10. ANTENNA REQUIREMENT

REQUIREMENT

Please refer to FCC part 15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC part 15.407(a)

For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

DESCRIPTION

Pass

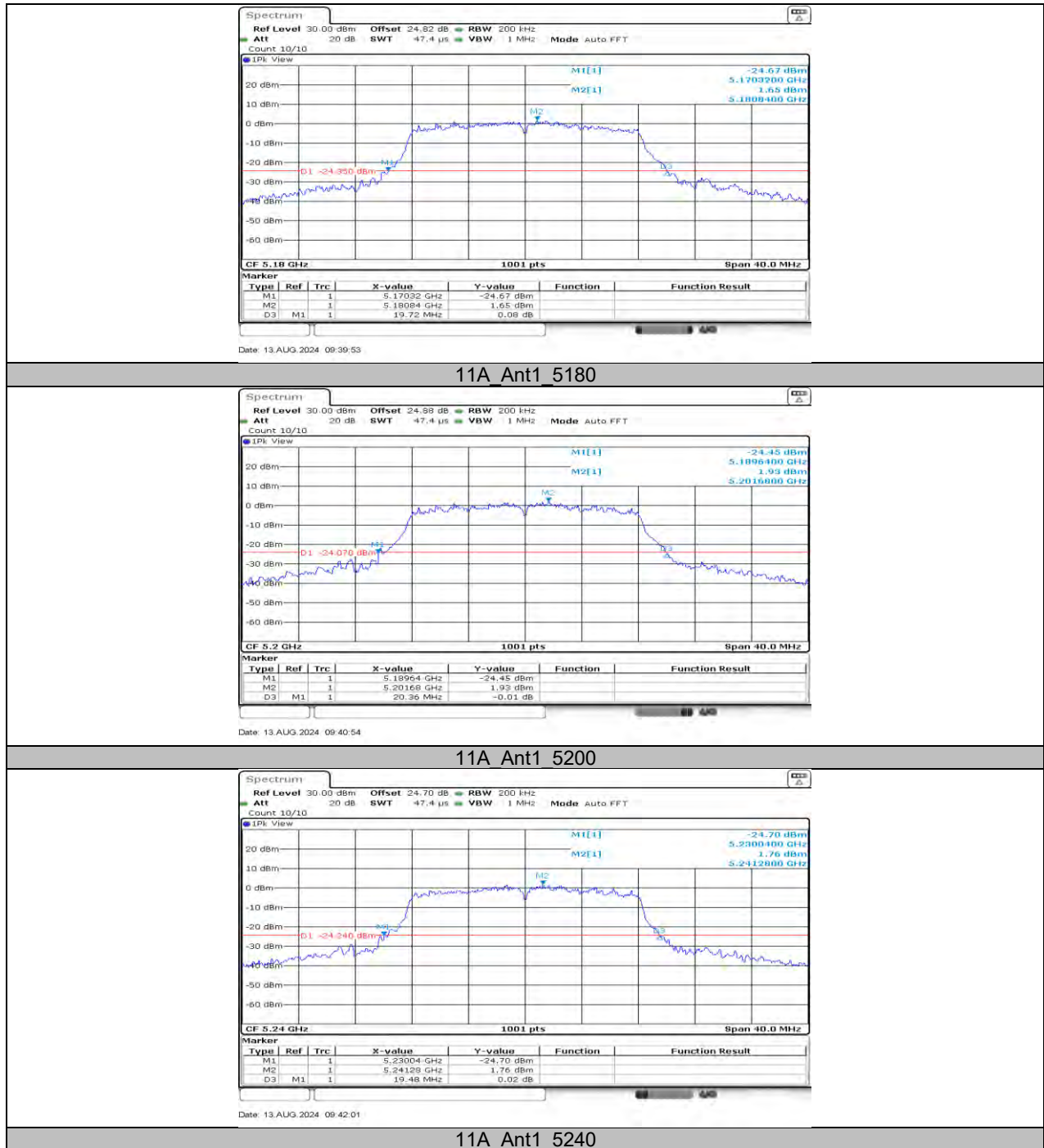
11. TEST DATA

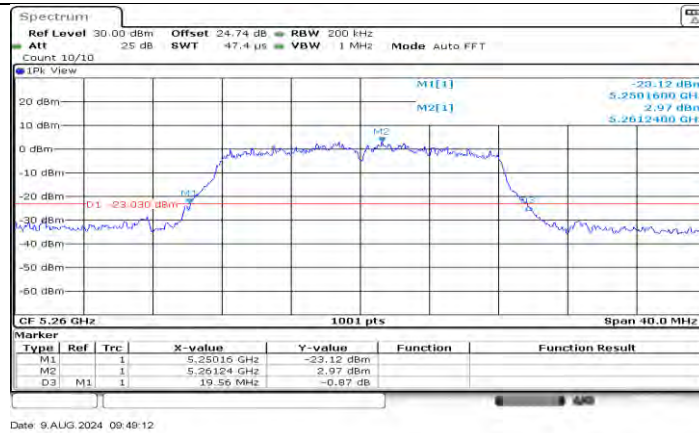
11.1. APPENDIX A: EMISSION BANDWIDTH

11.1.1. Test Result

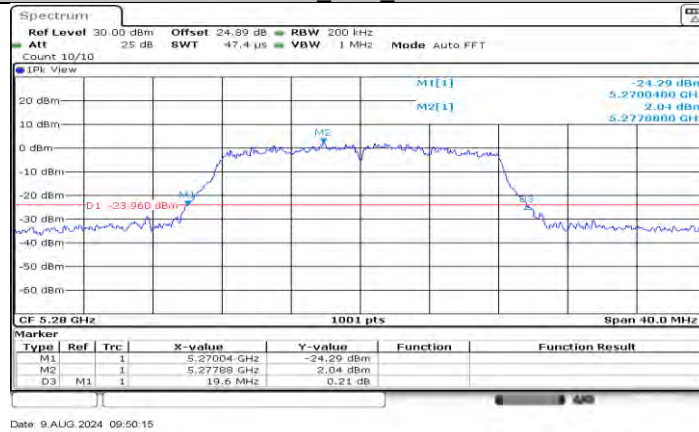
Test Mode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	19.72	5170.32	5190.04	---	---
		5200	20.36	5189.64	5210.00	---	---
		5240	19.48	5230.04	5249.52	---	---
		5260	19.56	5250.16	5269.72	---	---
		5280	19.60	5270.04	5289.64	---	---
		5320	19.84	5309.96	5329.80	---	---
		5500	20.04	5490.08	5510.12	---	---
		5580	20.00	5570.08	5590.08	---	---
		5700	19.88	5690.20	5710.08	---	---
		5720	19.56	5710.08	5729.64	---	---
		5720 UNII-2C	14.92	5710.08	5725	---	---
		5720 UNII-3	4.64	5725	5729.64	---	---
		5745	20.20	5734.92	5755.12	---	---
		5785	19.96	5774.88	5794.84	---	---
		5825	19.96	5815.04	5835.00	---	---
11N20SISO	Ant1	5180	19.84	5170.12	5189.96	---	---
		5200	19.92	5189.96	5209.88	---	---
		5240	19.84	5230.08	5249.92	---	---
		5260	20.04	5249.96	5270.00	---	---
		5280	20.16	5269.88	5290.04	---	---
		5320	19.76	5310.08	5329.84	---	---
		5500	20.20	5489.92	5510.12	---	---
		5580	19.80	5570.12	5589.92	---	---
		5700	20.04	5689.96	5710.00	---	---
		5720	20.20	5709.88	5730.08	---	---
		5720 UNII-2C	15.12	5709.88	5725	---	---
		5720 UNII-3	5.08	5725	5730.08	---	---
		5745	20.92	5734.28	5755.20	---	---
		5785	20.20	5774.84	5795.04	---	---
		5825	20.24	5814.88	5835.12	---	---
11N40SISO	Ant1	5190	41.52	5169.20	5210.72	---	---
		5230	41.92	5209.28	5251.20	---	---
		5270	41.12	5249.36	5290.48	---	---
		5310	40.80	5289.52	5330.32	---	---
		5510	40.72	5489.60	5530.32	---	---
		5550	41.12	5529.36	5570.48	---	---
		5670	41.36	5649.28	5690.64	---	---
		5710	41.20	5689.52	5730.72	---	---
		5710 UNII-2C	35.48	5689.52	5725	---	---
		5710 UNII-3	5.72	5725	5730.72	---	---
		5755	41.20	5734.12	5775.32	---	---
		5795	41.92	5774.20	5816.12	---	---

11.1.2. Test Graphs

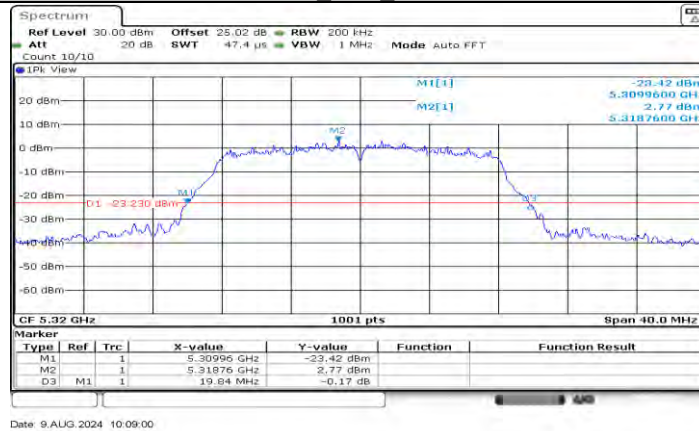




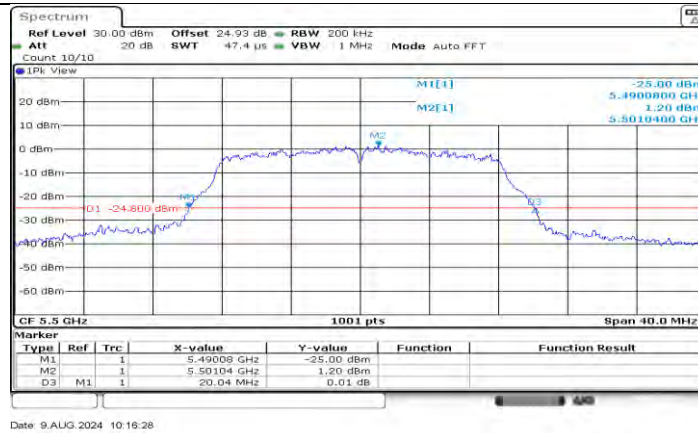
11A Ant1 5260



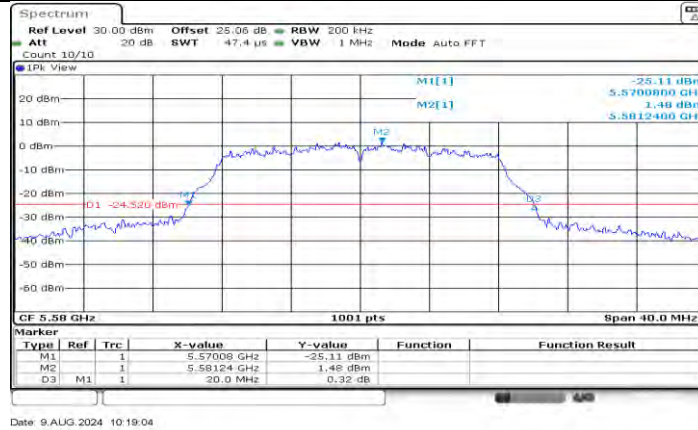
11A Ant1 5280



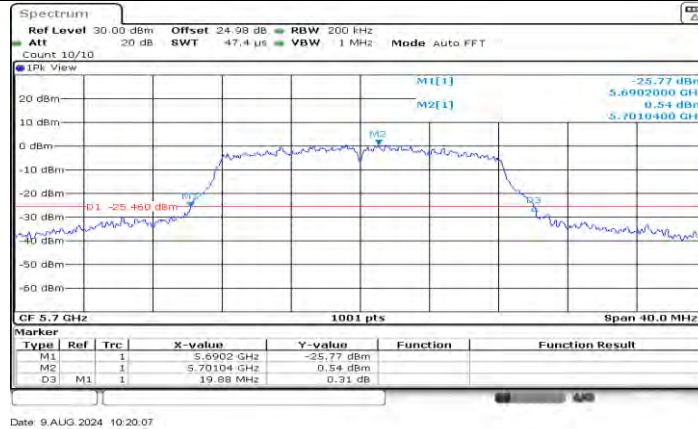
11A Ant1 5320



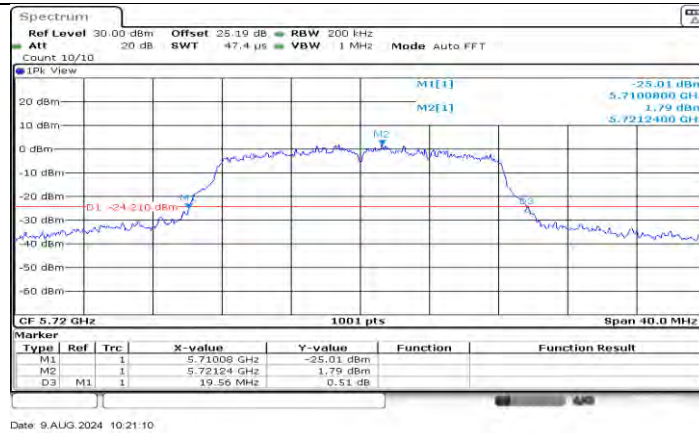
11A_Ant1_5500



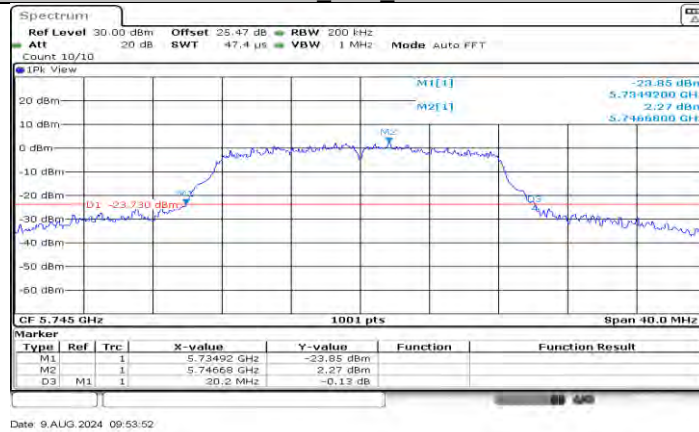
11A_Ant1_5580



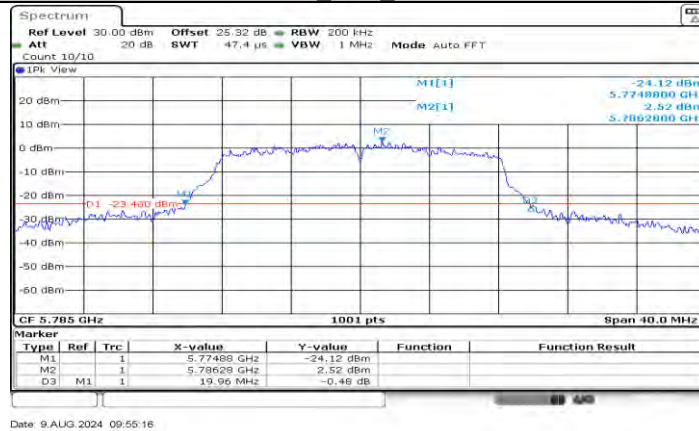
11A_Ant1_5700



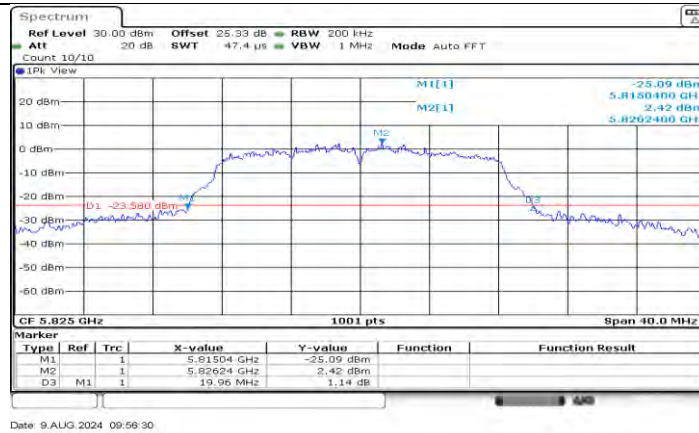
11A Ant1 5720



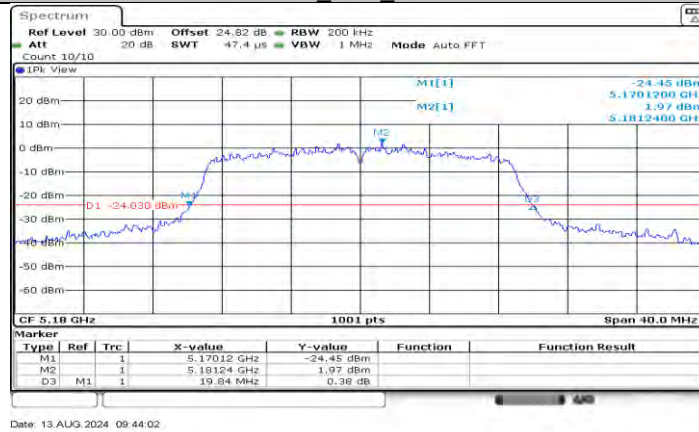
11A Ant1 5745



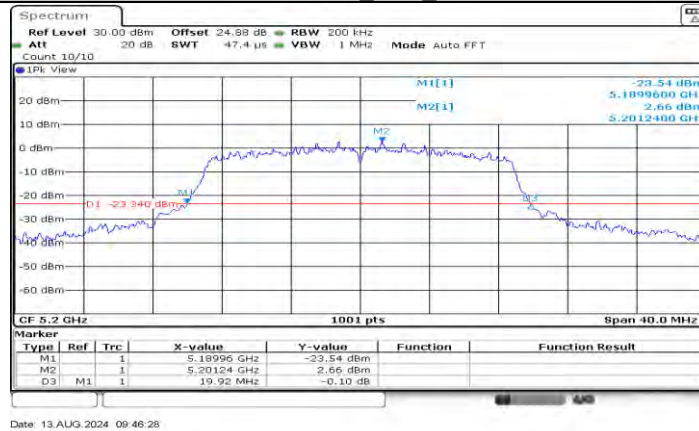
11A Ant1 5785



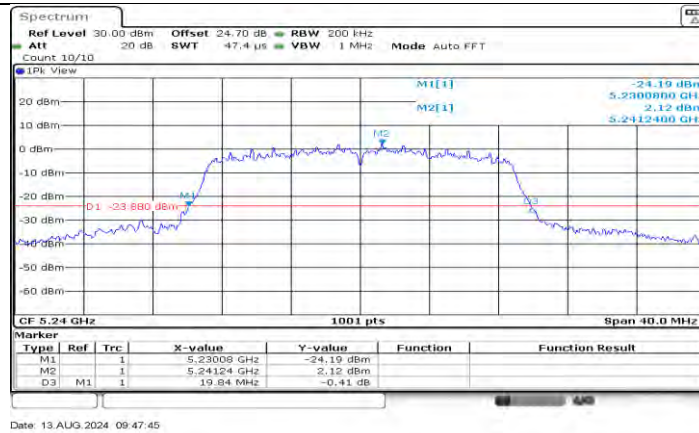
11A Ant1 5825



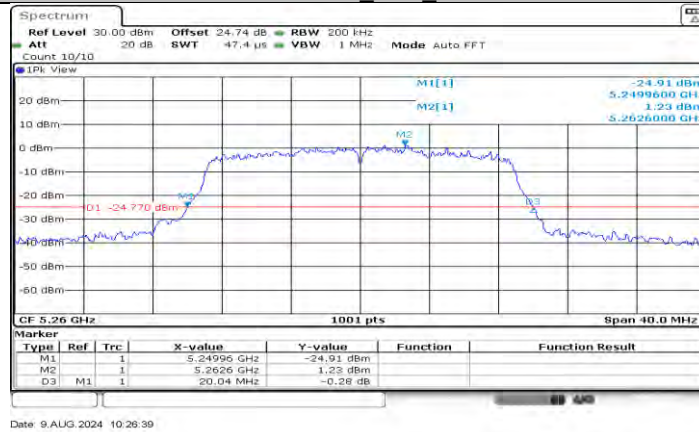
11N20SISO Ant1 5180



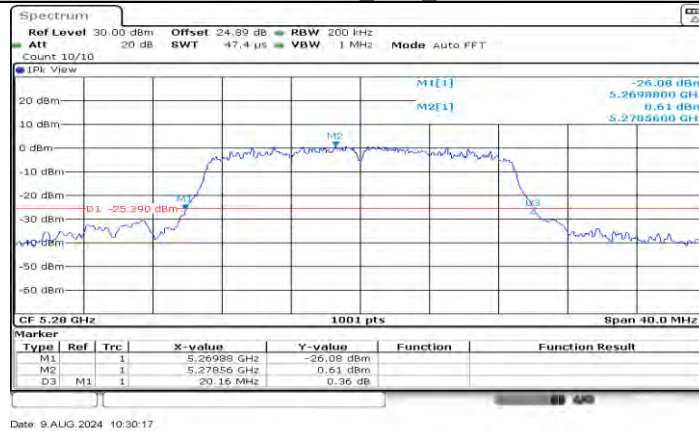
11N20SISO Ant1 5200



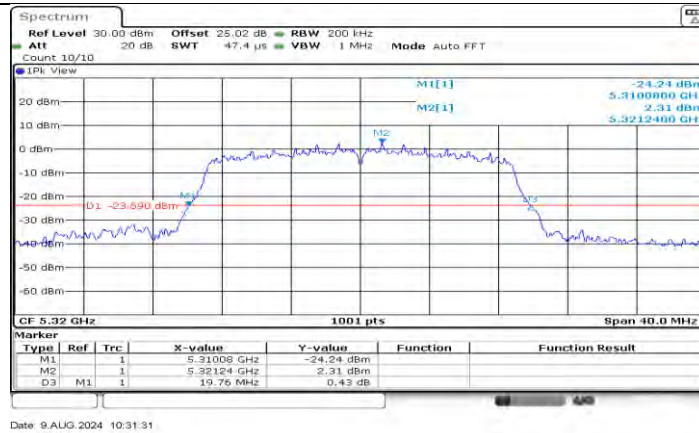
11N20SISO Ant1 5240



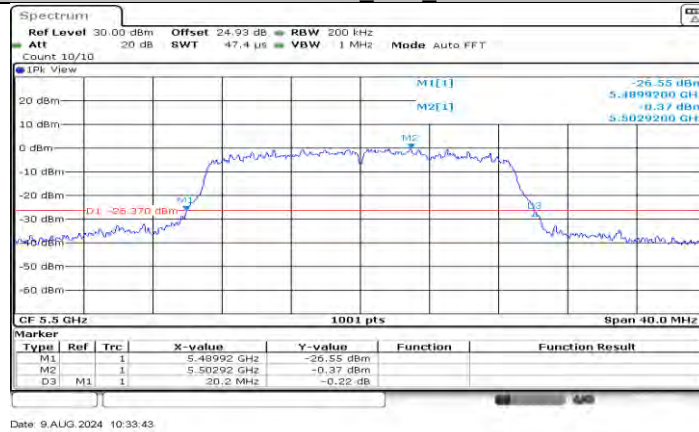
11N20SISO Ant1 5260



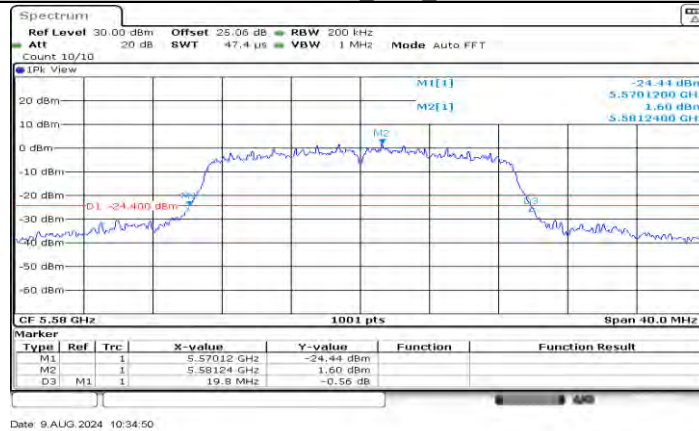
11N20SISO Ant1 5280



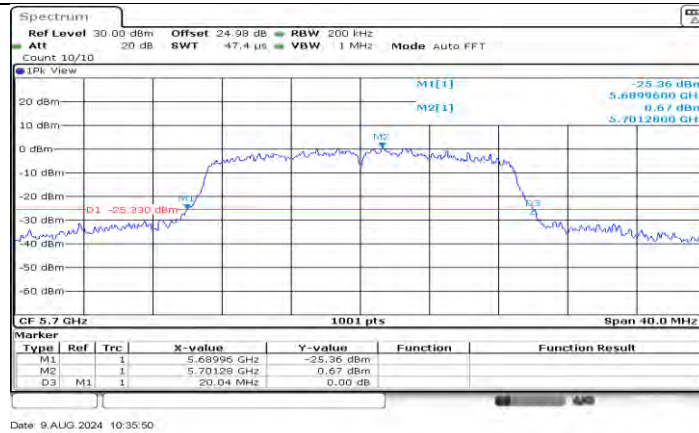
11N20SISO Ant1 5320



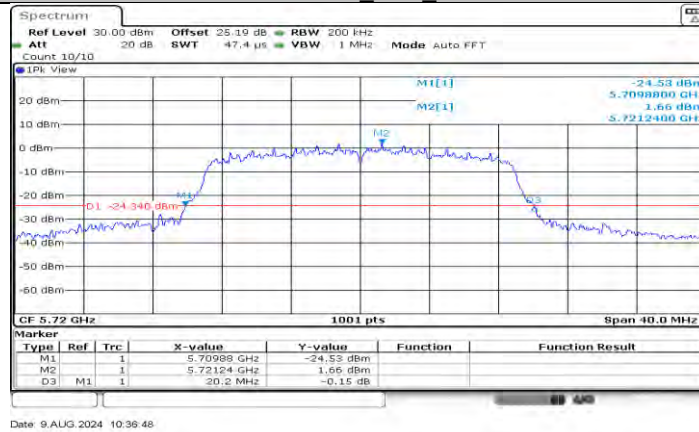
11N20SISO Ant1 5500



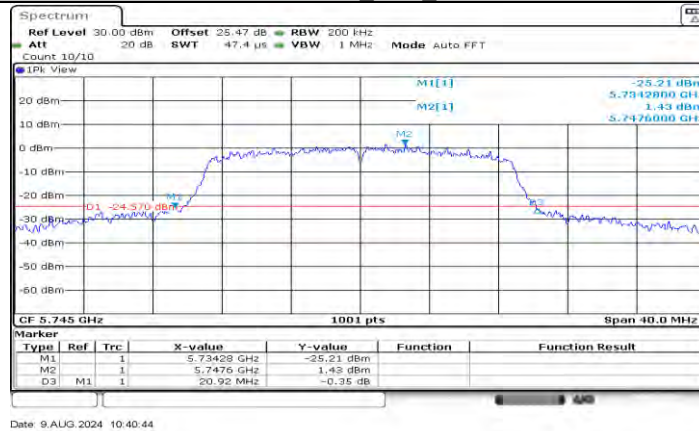
11N20SISO Ant1 5580



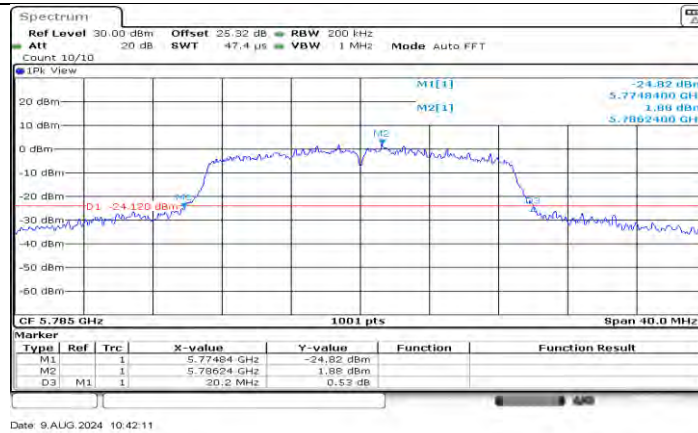
11N20SISO Ant1 5700



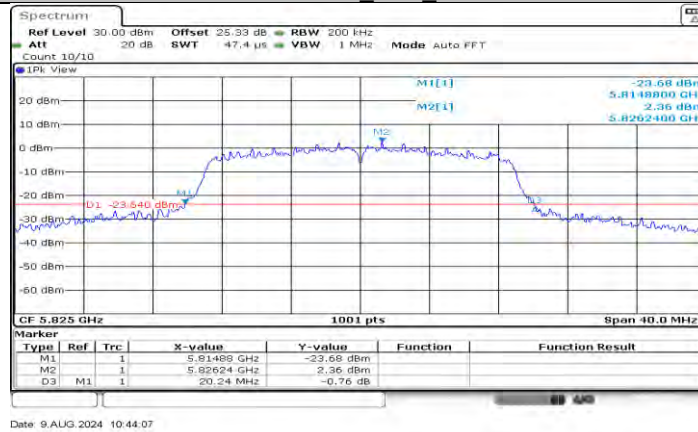
11N20SISO Ant1 5720



11N20SISO Ant1 5745



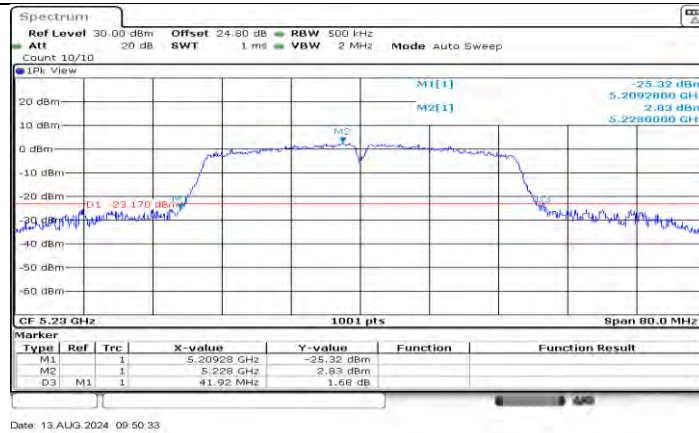
11N20SISO Ant1 5785



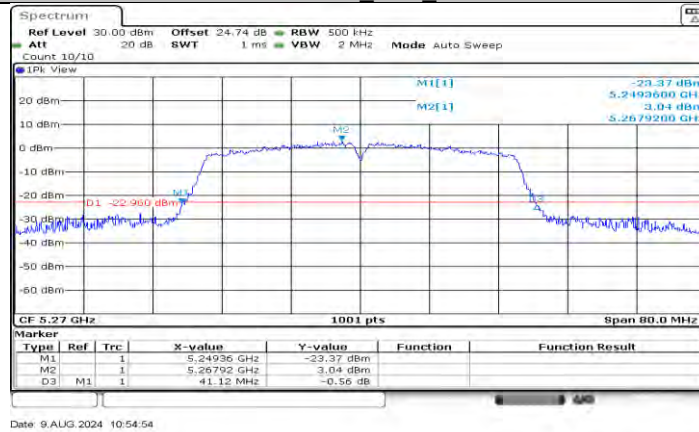
11N20SISO Ant1 5825



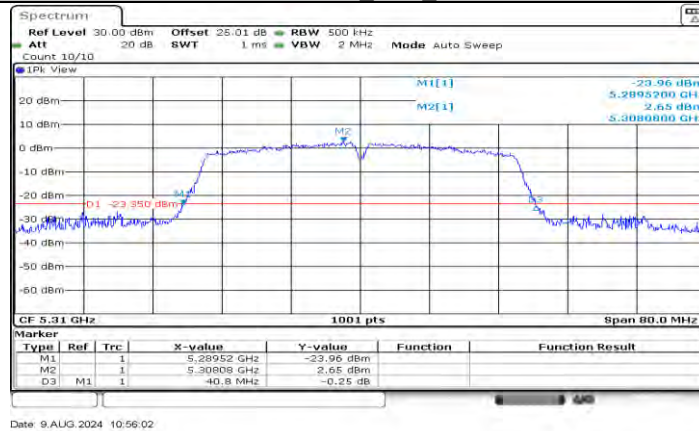
11N40SISO Ant1 5190



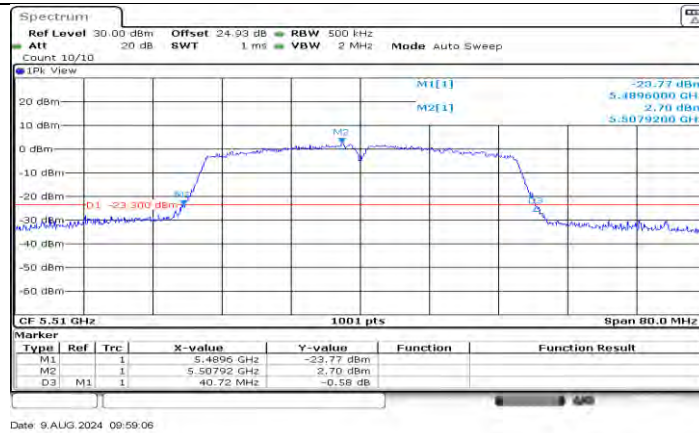
11N40SISO_Ant1_5230



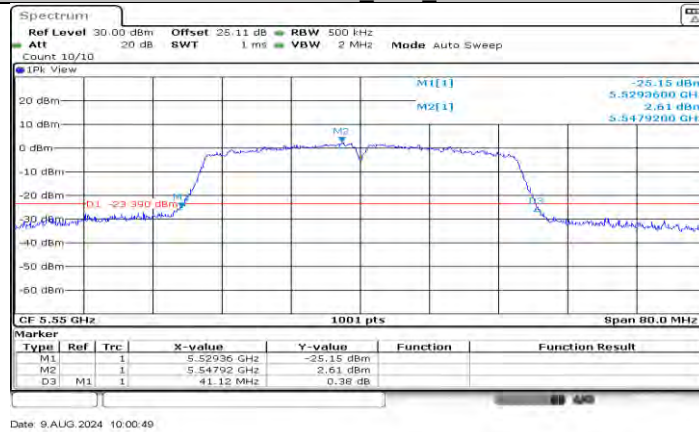
11N40SISO_Ant1_5270



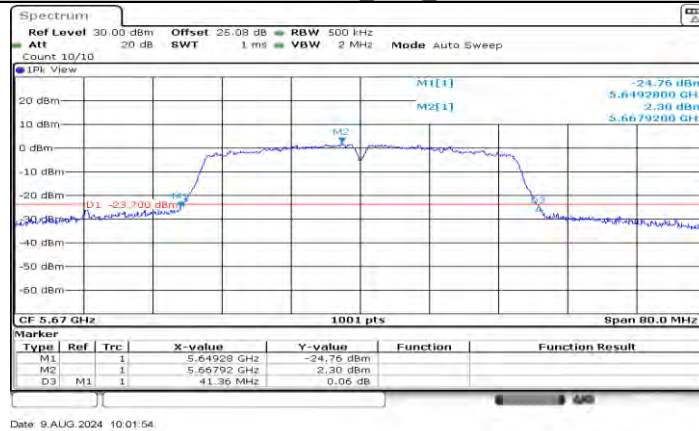
11N40SISO_Ant1_5310



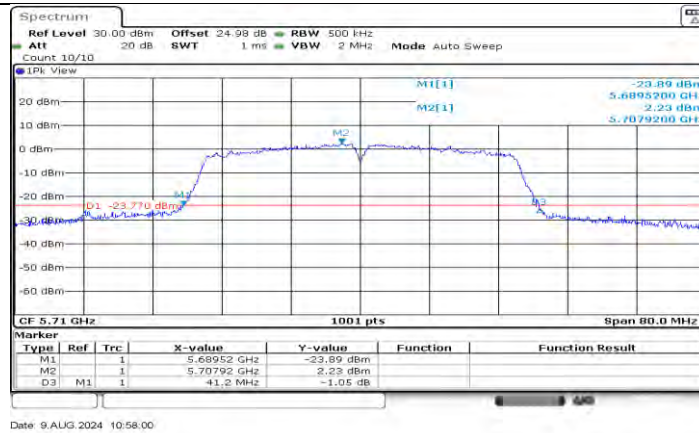
11N40SISO_Ant1_5510



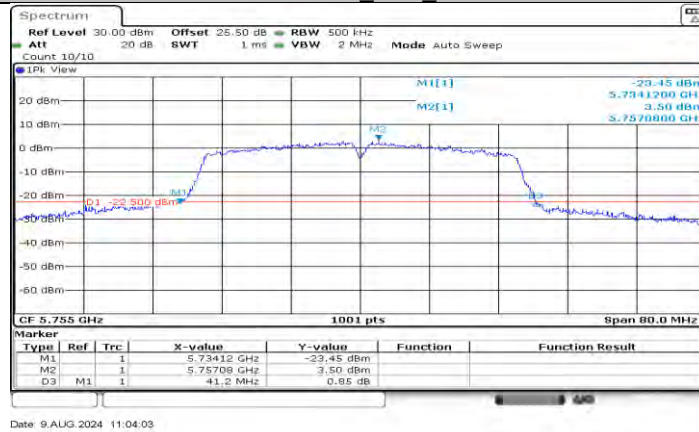
11N40SISO_Ant1_5550



11N40SISO_Ant1_5670



11N40SISO_Ant1_5710



11N40SISO_Ant1_5755



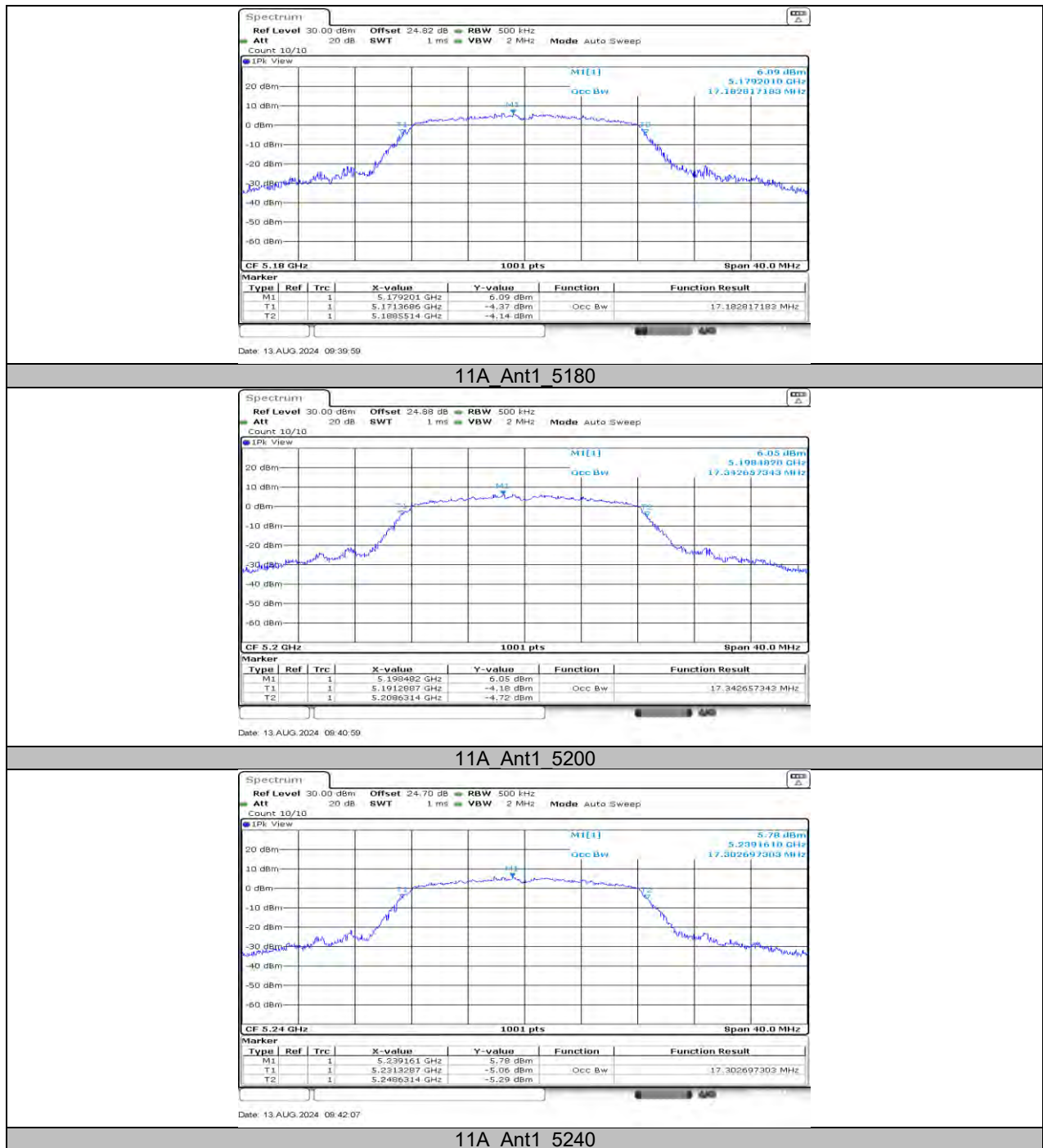
11N40SISO_Ant1_5795

11.2. APPENDIX B: OCCUPIED CHANNEL BANDWIDTH

11.2.1. Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.183	5171.3686	5188.5514	---	---
		5200	17.343	5191.2887	5208.6314	---	---
		5240	17.303	5231.3287	5248.6314	---	---
		5260	17.423	5251.2488	5268.6713	---	---
		5280	17.303	5271.3287	5288.6314	---	---
		5320	17.383	5311.2488	5328.6314	---	---
		5500	17.343	5491.2887	5508.6314	---	---
		5580	17.423	5571.2488	5588.6713	---	---
		5700	17.502	5691.2088	5708.7113	---	---
		5720	17.463	5711.2088	5728.6713	---	---
		5720 UNII-2C	13.791	5711.2088	5725	---	---
		5720 UNII-3	3.671	5725	5728.6713	---	---
		5745	17.622	5736.1289	5753.7512	---	---
		5785	17.582	5776.1289	5793.7113	---	---
		5825	17.622	5816.1688	5833.7912	---	---
11N20SISO	Ant1	5180	17.942	5171.0490	5188.9910	---	---
		5200	17.982	5191.0090	5208.9910	---	---
		5240	17.942	5231.0090	5248.9510	---	---
		5260	17.862	5251.0889	5268.9510	---	---
		5280	17.902	5271.0490	5288.9510	---	---
		5320	17.902	5311.0490	5328.9510	---	---
		5500	17.902	5491.0490	5508.9510	---	---
		5580	17.902	5571.0490	5588.9510	---	---
		5700	17.902	5691.0490	5708.9510	---	---
		5720	17.942	5711.0090	5728.9510	---	---
		5720 UNII-2C	13.991	5711.0090	5725	---	---
		5720 UNII-3	3.951	5725	5728.9510	---	---
		5745	18.022	5735.9690	5753.9910	---	---
		5785	18.022	5775.9690	5793.9910	---	---
		5825	18.022	5816.0090	5834.0310	---	---
11N40SISO	Ant1	5190	36.364	5171.8581	5208.2218	---	---
		5230	36.444	5211.8581	5248.3017	---	---
		5270	36.204	5251.9381	5288.1419	---	---
		5310	36.284	5291.8581	5328.1419	---	---
		5510	36.284	5491.9381	5528.2218	---	---
		5550	36.444	5531.7782	5568.2218	---	---
		5670	36.364	5651.8581	5688.2218	---	---
		5710	36.284	5691.9381	5728.2218	---	---
		5710 UNII-2C	33.062	5691.9381	5725	---	---
		5710 UNII-3	3.222	5725	5728.2218	---	---
		5755	36.444	5736.7782	5773.2218	---	---
		5795	36.603	5776.6983	5813.3017	---	---

11.2.2. Test Graphs





11A Ant1 5260



11A Ant1 5280



11A Ant1 5320



11A Ant1 5500



11A Ant1 5580



11A Ant1 5700



11A Ant1 5720



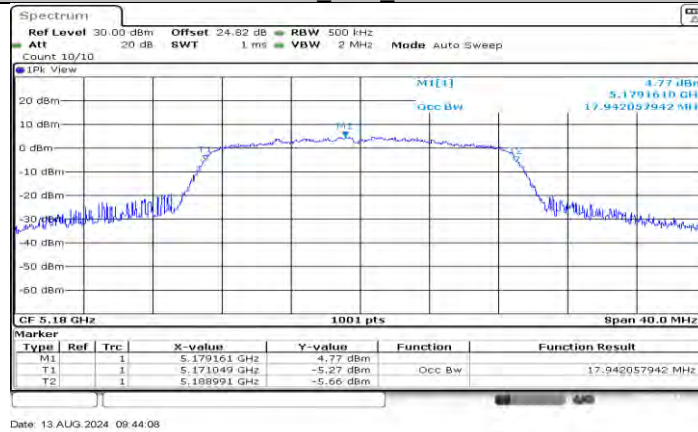
11A Ant1 5745



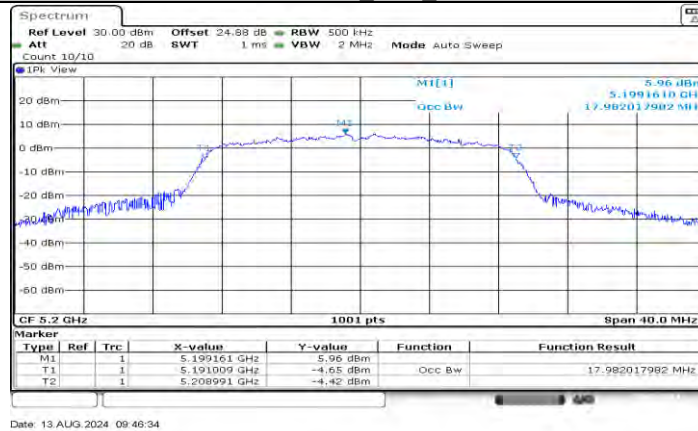
11A Ant1 5785



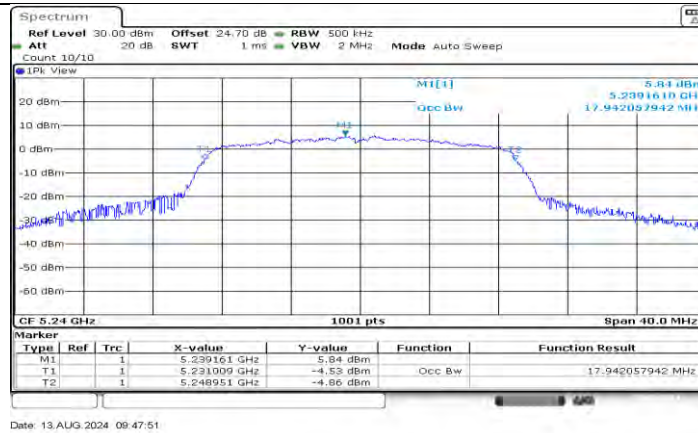
11A Ant1 5825



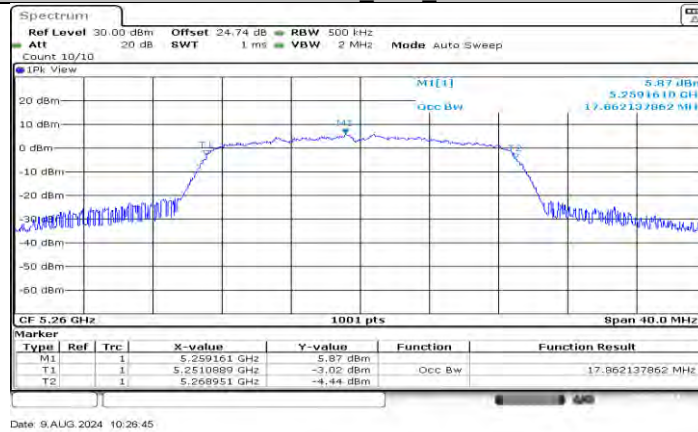
11N20SISO Ant1 5180



11N20SISO Ant1 5200



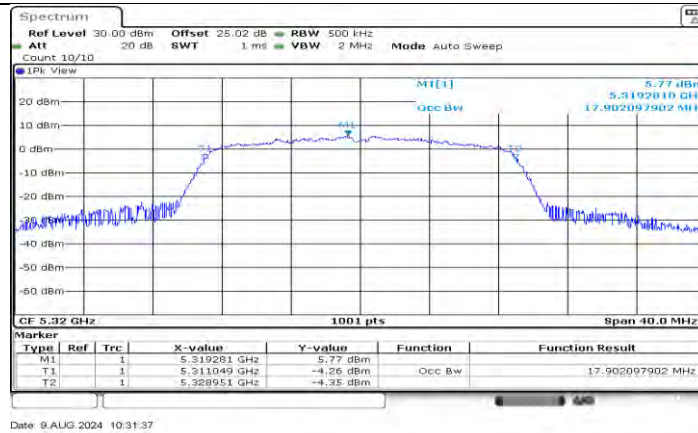
11N20SISO Ant1 5240



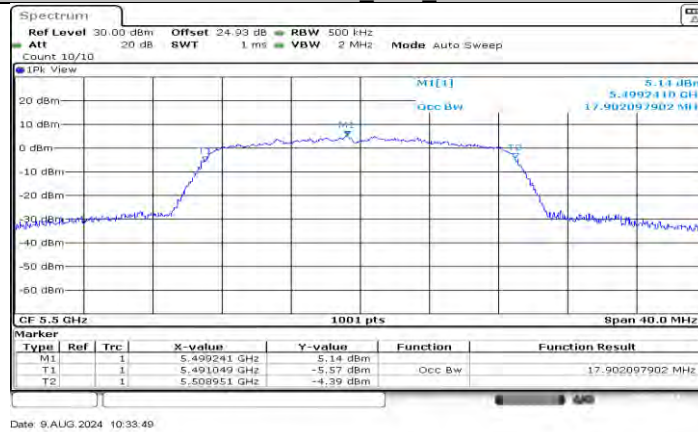
11N20SISO Ant1 5260



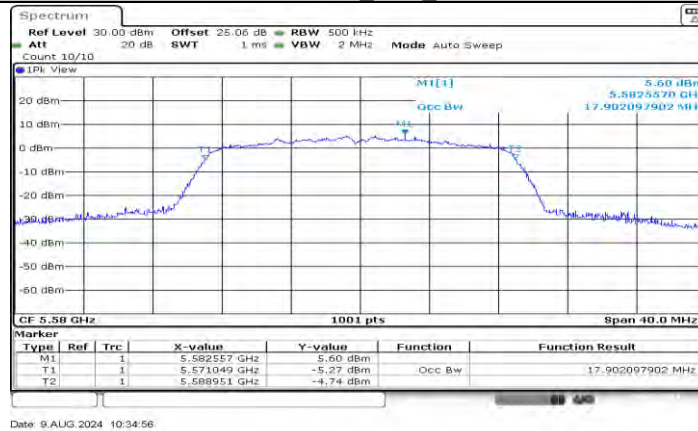
11N20SISO Ant1 5280



11N20SISO Ant1 5320



11N20SISO Ant1 5500



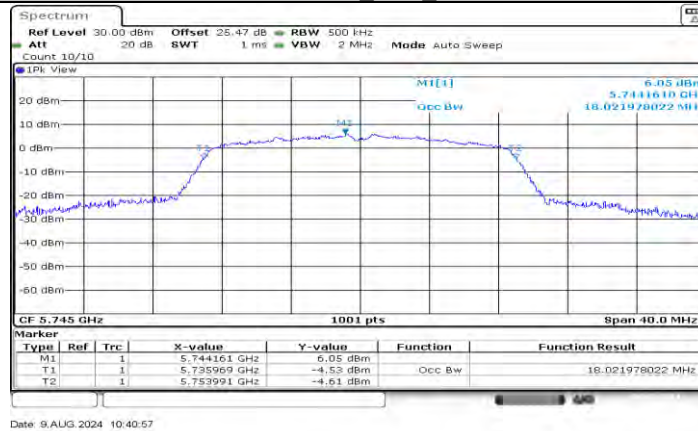
11N20SISO Ant1 5580



11N20SISO Ant1 5700



11N20SISO Ant1 5720



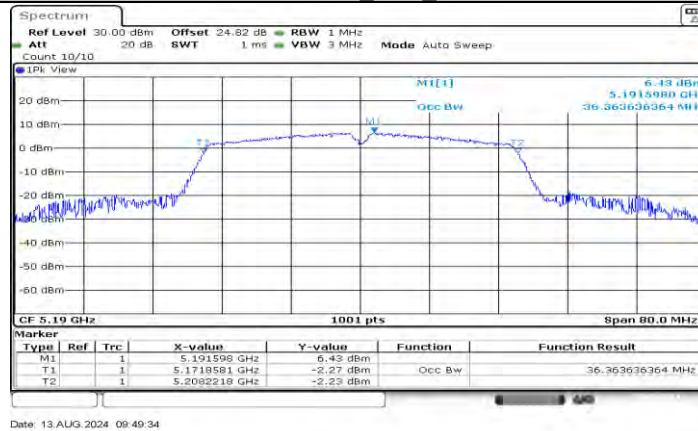
11N20SISO Ant1 5745



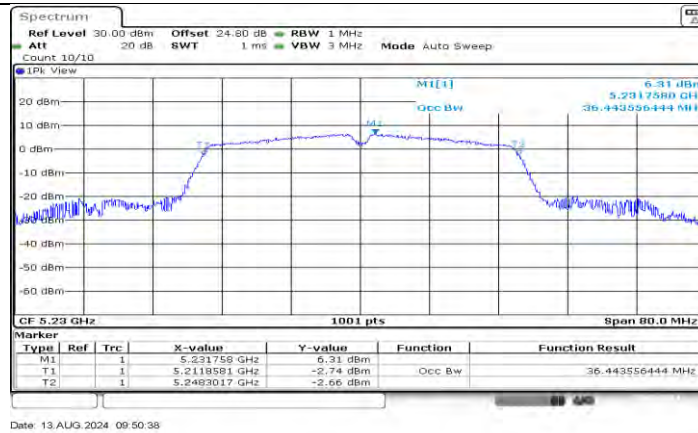
11N20SISO Ant1 5785



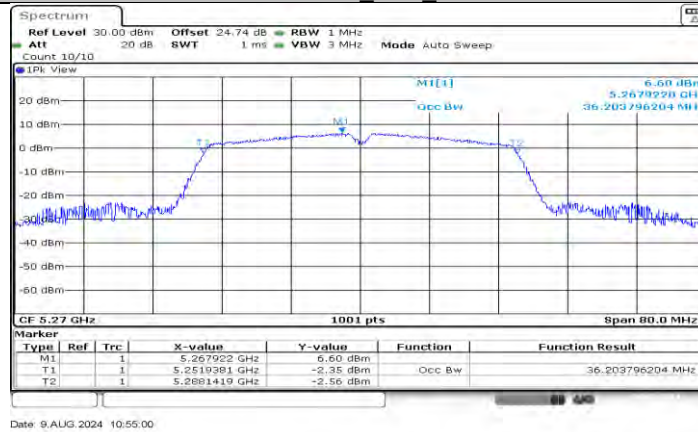
11N20SISO Ant1 5825



11N40SISO Ant1 5190



11N40SISO Ant1 5230



11N40SISO Ant1 5270



11N40SISO Ant1 5310



11N40SISO Ant1 5510



11N40SISO Ant1 5550



11N40SISO Ant1 5670



11N40SISO_Ant1_5710



11N40SISO_Ant1_5755



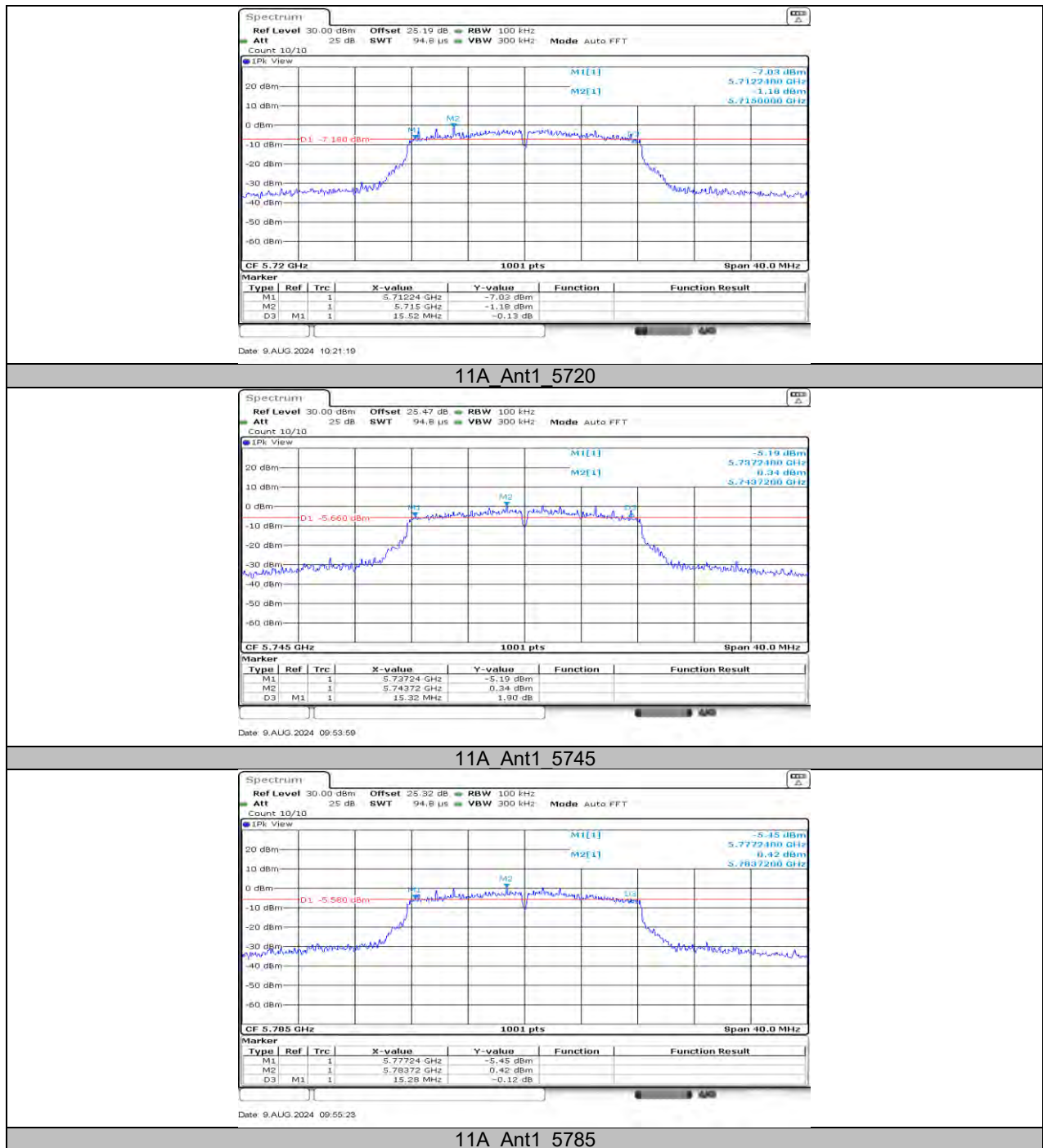
11N40SISO_Ant1_5795

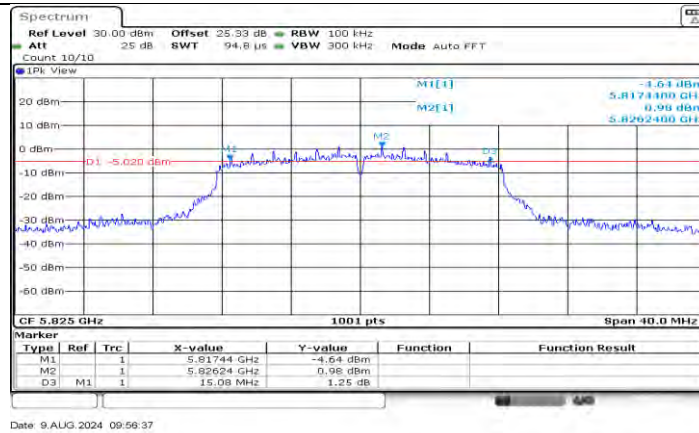
11.3. APPENDIX C: MIN EMISSION BANDWIDTH

11.3.1. Test Result

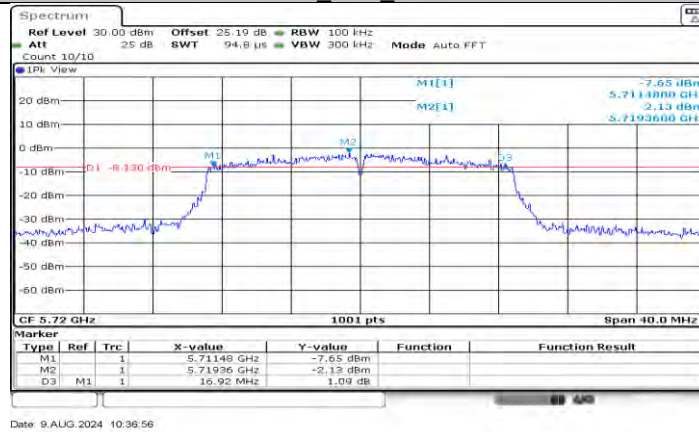
Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5720	15.52	5712.24	5727.76	0.5	PASS
		5720 UNII-3	2.76	5725	5727.76	0.5	PASS
		5745	15.32	5737.24	5752.56	0.5	PASS
		5785	15.28	5777.24	5792.52	0.5	PASS
		5825	15.08	5817.44	5832.52	0.5	PASS
11N20SISO	Ant1	5720	16.92	5711.48	5728.40	0.5	PASS
		5720 UNII-3	3.4	5725	5728.40	0.5	PASS
		5745	12.88	5737.52	5750.40	0.5	PASS
		5785	16.80	5776.60	5793.40	0.5	PASS
		5825	16.28	5817.12	5833.40	0.5	PASS
11N40SISO	Ant1	5710	35.12	5692.48	5727.60	0.5	PASS
		5710 UNII-3	2.6	5725	5727.60	0.5	PASS
		5755	35.04	5737.48	5772.52	0.5	PASS
		5795	35.12	5777.48	5812.60	0.5	PASS

11.3.2. Test Graphs

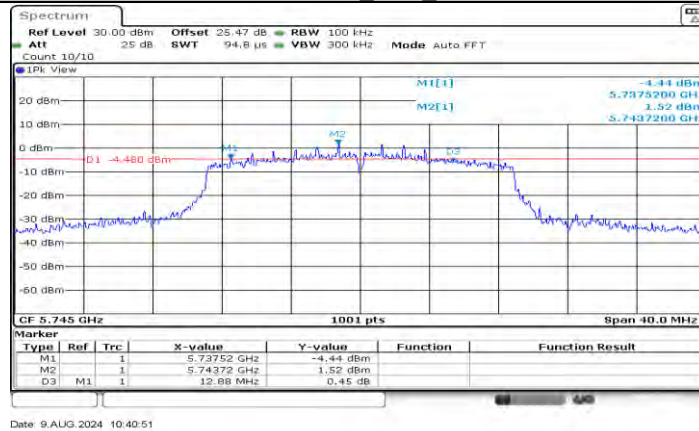




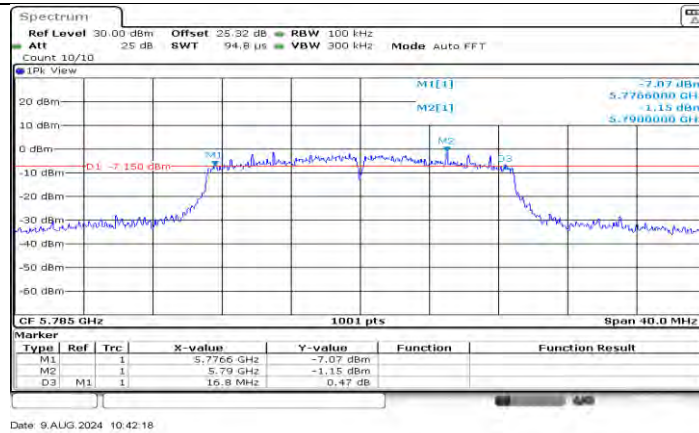
11A Ant1 5825



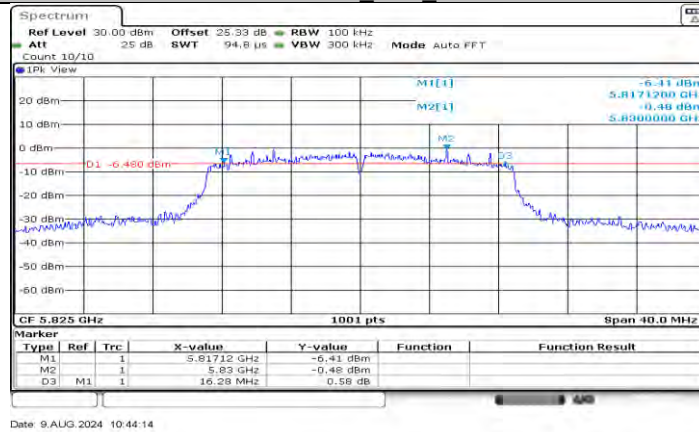
11N20SISO Ant1 5720



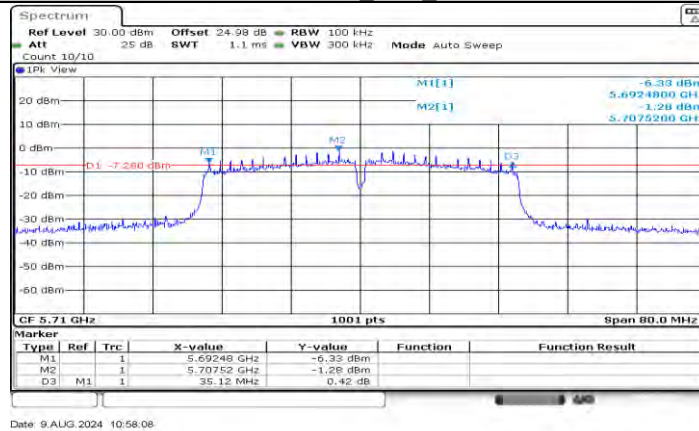
11N20SISO Ant1 5745



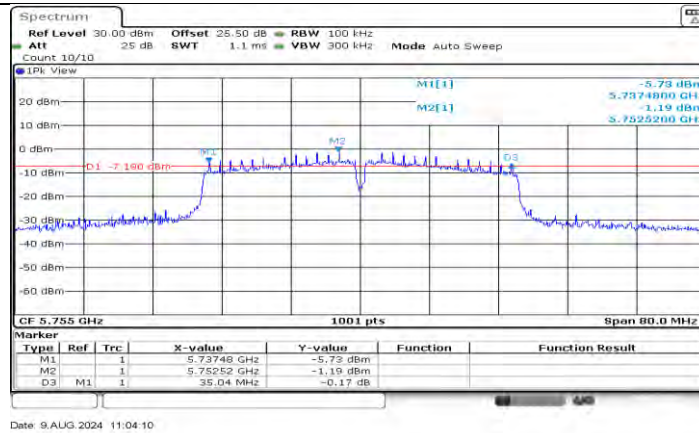
11N20SISO Ant1 5785



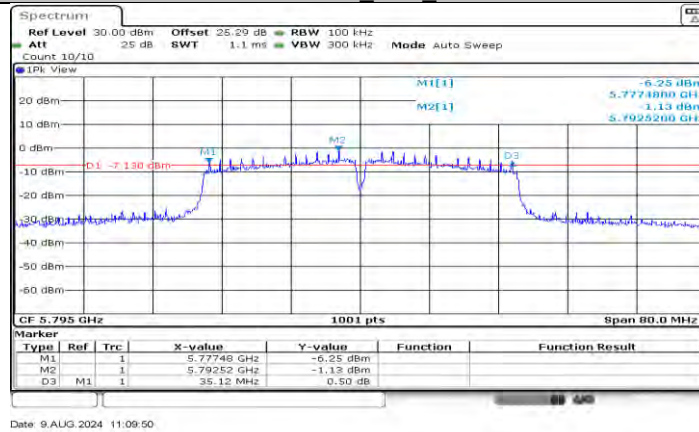
11N20SISO Ant1 5825



11N40SISO Ant1 5710



11N40SISO Ant1 5755



11N40SISO Ant1 5795

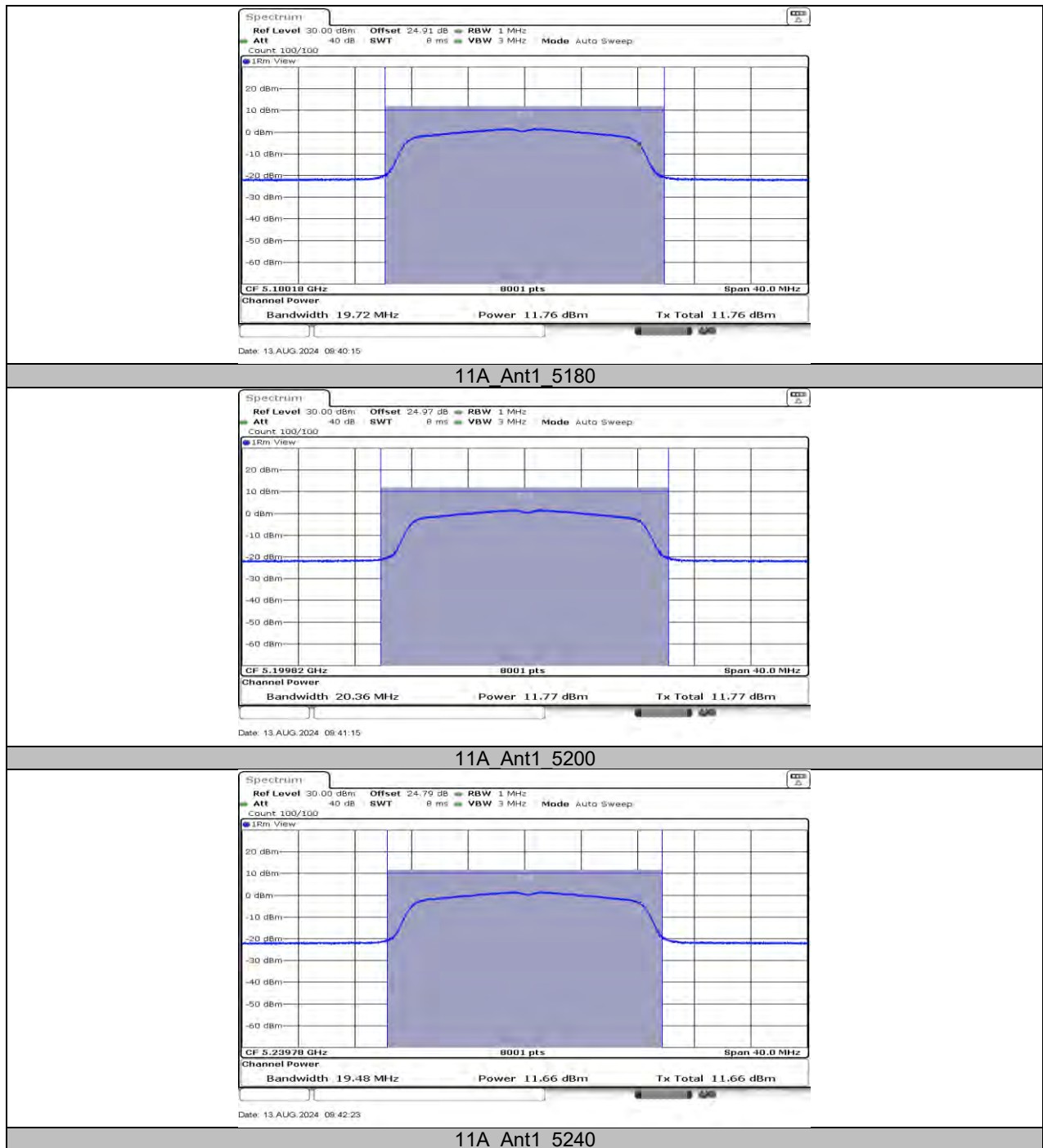
11.4. APPENDIX D: MAXIMUM CONDUCTED OUTPUT POWER

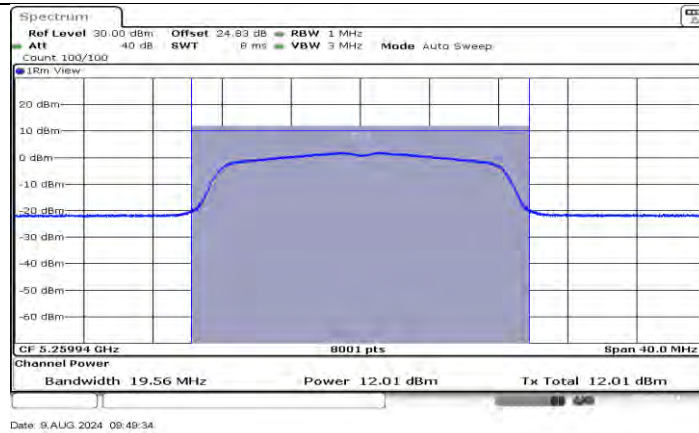
11.4.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	11.76	≤23.98	PASS
		5200	11.77	≤23.98	PASS
		5240	11.66	≤23.98	PASS
		5260	12.01	≤23.91	PASS
		5280	12.12	≤23.92	PASS
		5320	11.97	≤23.98	PASS
		5500	10.93	≤23.98	PASS
		5580	10.97	≤23.98	PASS
		5700	10.86	≤23.98	PASS
		5720 UNII-2C	10.88	≤22.74	PASS
		5720 UNII-3	3.20	≤30.00	PASS
		5745	12.10	≤30.00	PASS
		5785	12.11	≤30.00	PASS
		5825	12.22	≤30.00	PASS
11N20SISO	Ant1	5180	11.60	≤23.98	PASS
		5200	11.67	≤23.98	PASS
		5240	11.58	≤23.98	PASS
		5260	11.53	≤23.98	PASS
		5280	11.65	≤23.98	PASS
		5320	11.50	≤23.96	PASS
		5500	10.75	≤23.98	PASS
		5580	10.83	≤23.97	PASS
		5700	10.92	≤23.98	PASS
		5720 UNII-2C	10.95	≤22.80	PASS
		5720 UNII-3	3.42	≤30.00	PASS
		5745	11.81	≤30.00	PASS
		5785	11.61	≤30.00	PASS
		5825	11.65	≤30.00	PASS
11N40SISO	Ant1	5190	11.88	≤23.98	PASS
		5230	11.71	≤23.98	PASS
		5270	11.68	≤23.98	PASS
		5310	11.70	≤23.98	PASS
		5510	11.16	≤23.98	PASS
		5550	11.18	≤23.98	PASS
		5670	11.14	≤23.98	PASS
		5710 UNII-2C	10.77	≤23.98	PASS
		5710 UNII-3	-1.92	≤30.00	PASS
		5755	11.68	≤30.00	PASS
		5795	11.70	≤30.00	PASS

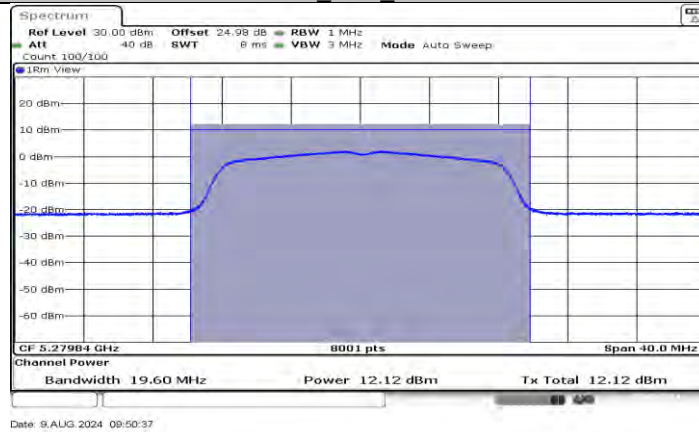
Note: The Duty Cycle Factor is compensated in the graph.

11.4.2. Test Graphs

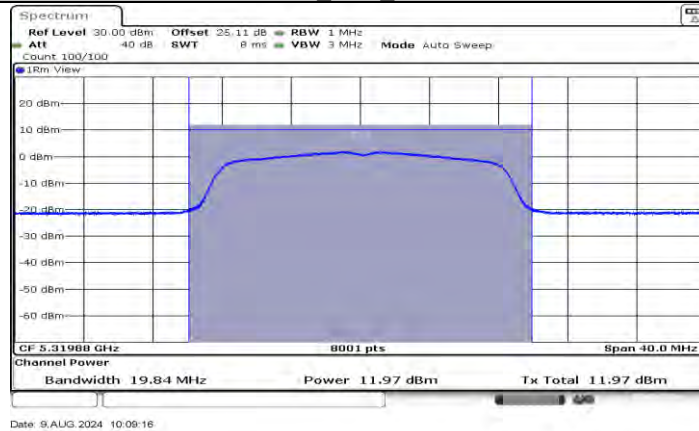




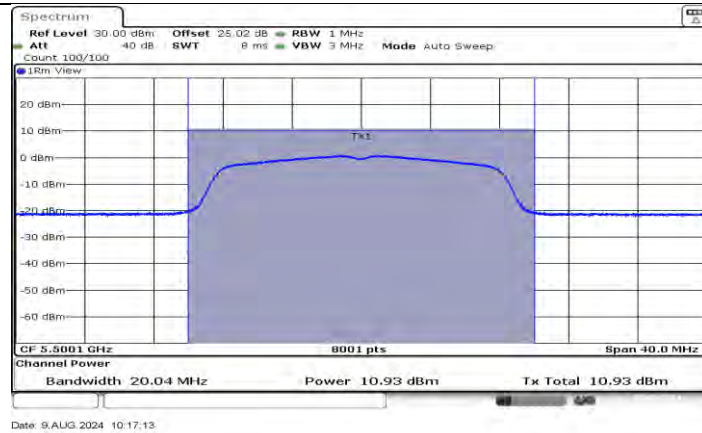
11A Ant1 5260



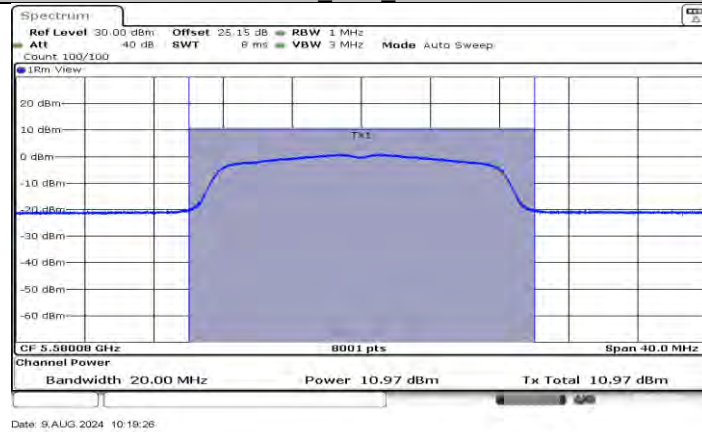
11A Ant1 5280



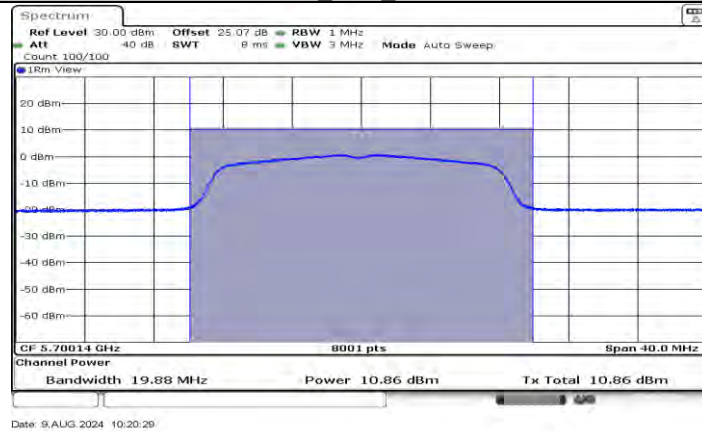
11A Ant1 5320



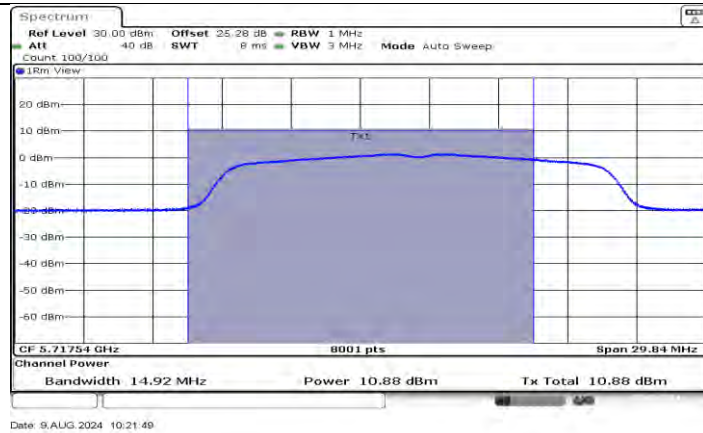
11A_Ant1_5500



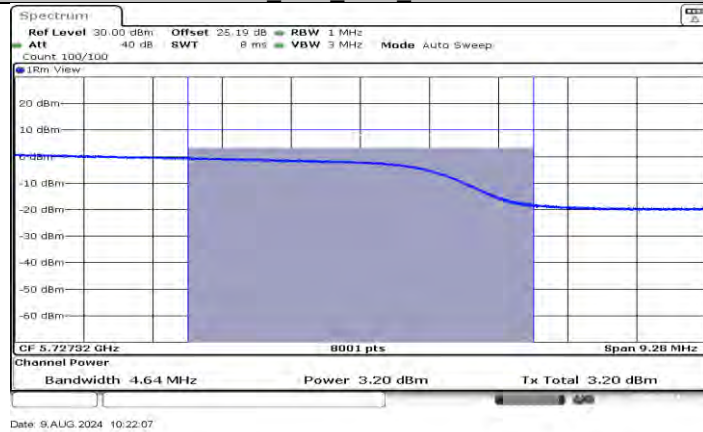
11A_Ant1_5580



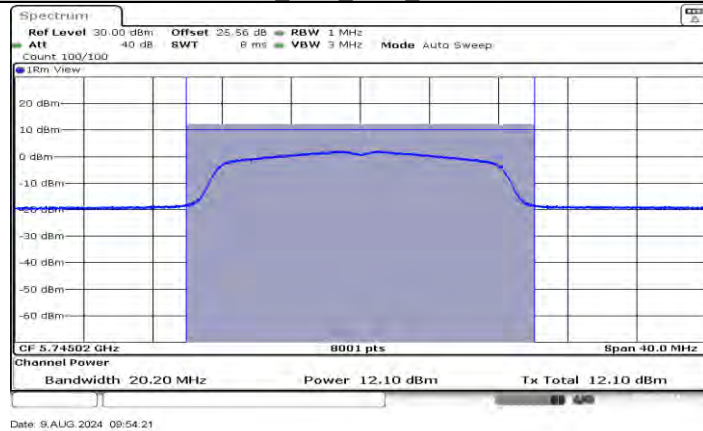
11A_Ant1_5700



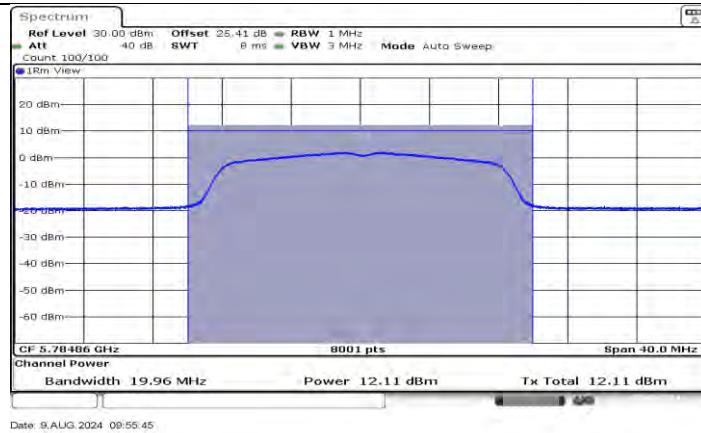
11A Ant1 5720 UNII-2C



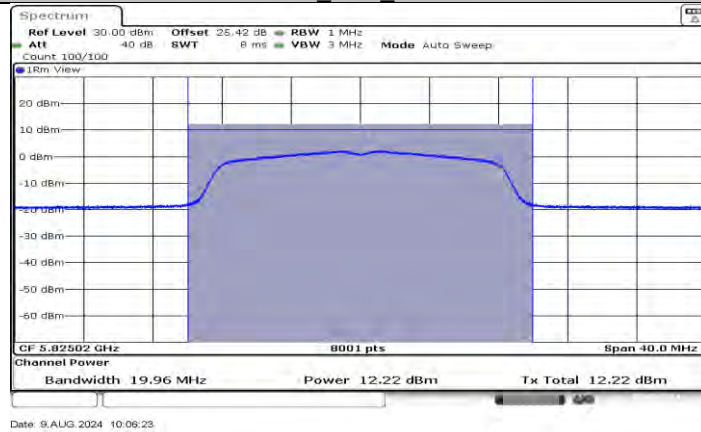
11A Ant1 5720 UNII-3



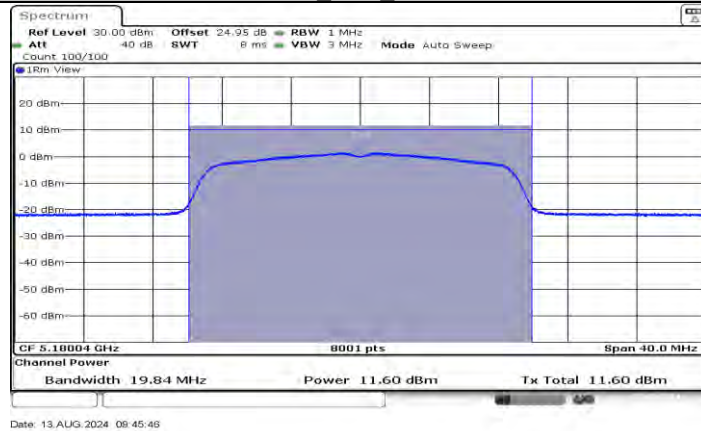
11A Ant1 5745



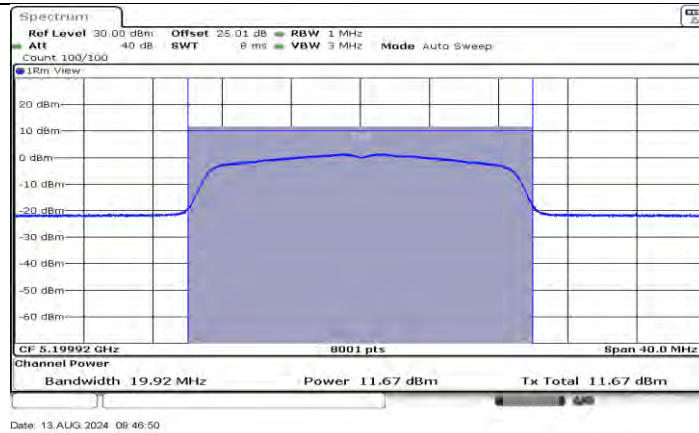
11A Ant1 5785



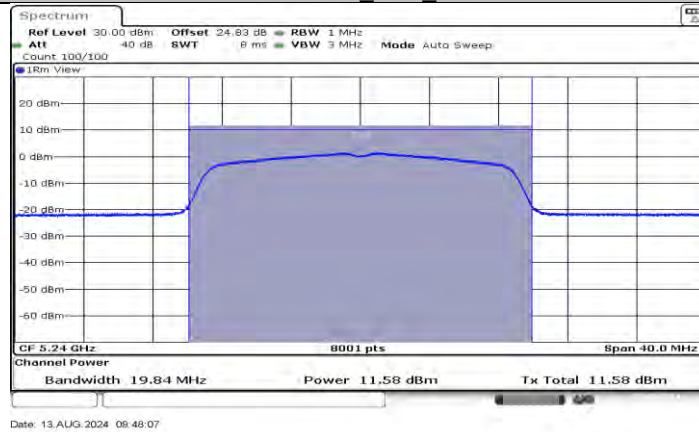
11A Ant1 5825



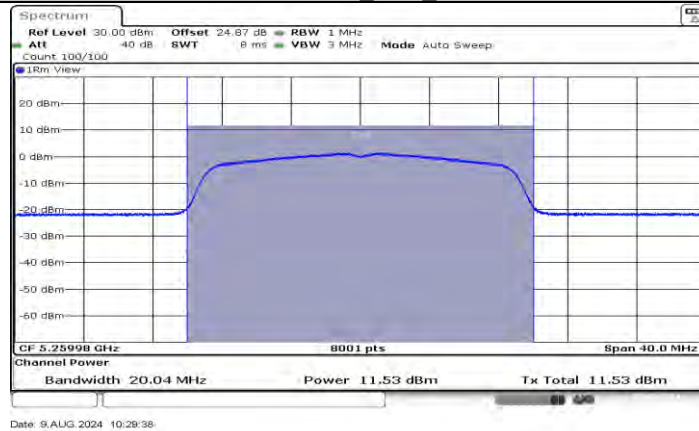
11N20SISO Ant1 5180



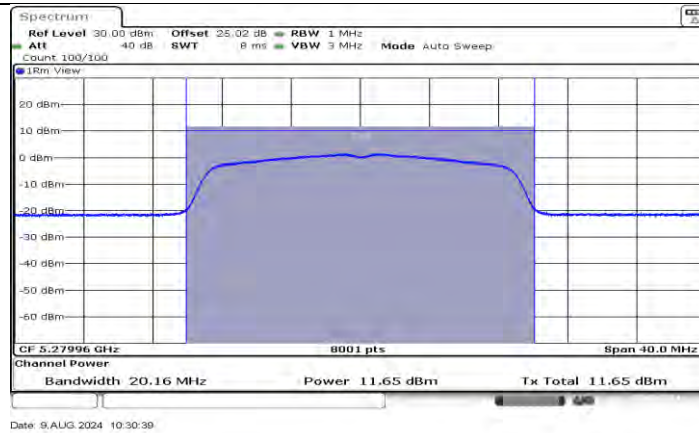
11N20SISO Ant1 5200



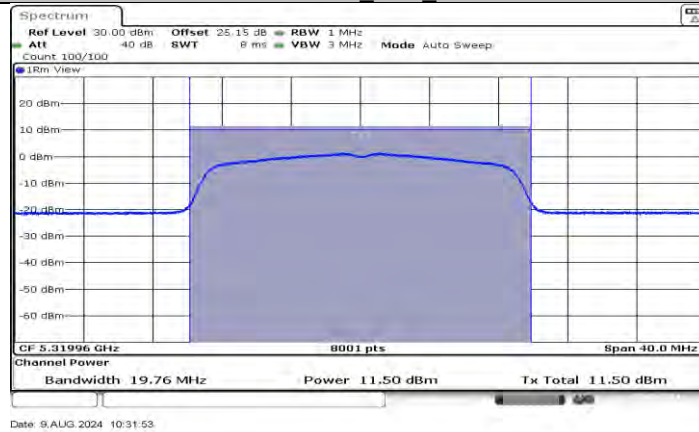
11N20SISO Ant1 5240



11N20SISO Ant1 5260



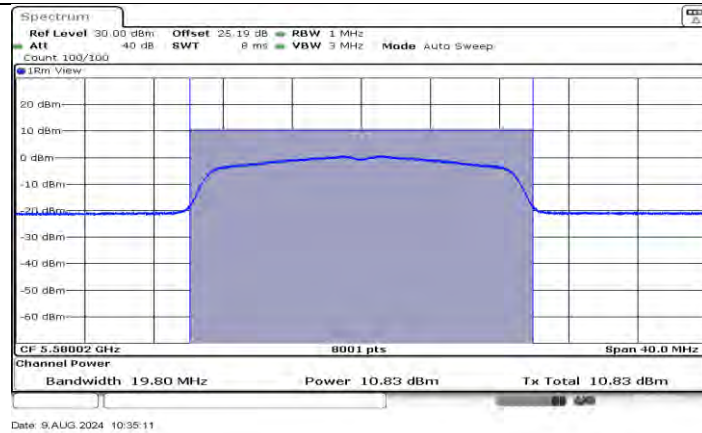
11N20SISO Ant1 5280



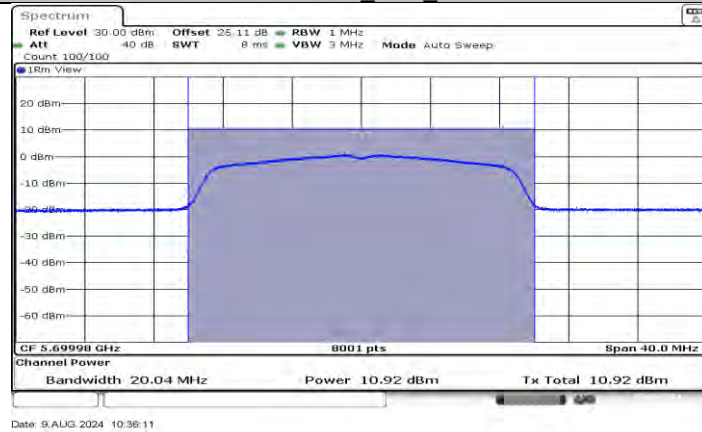
11N20SISO Ant1 5320



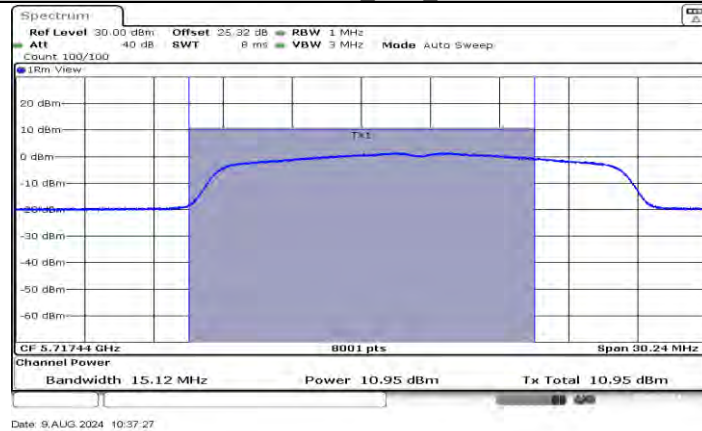
11N20SISO Ant1 5500



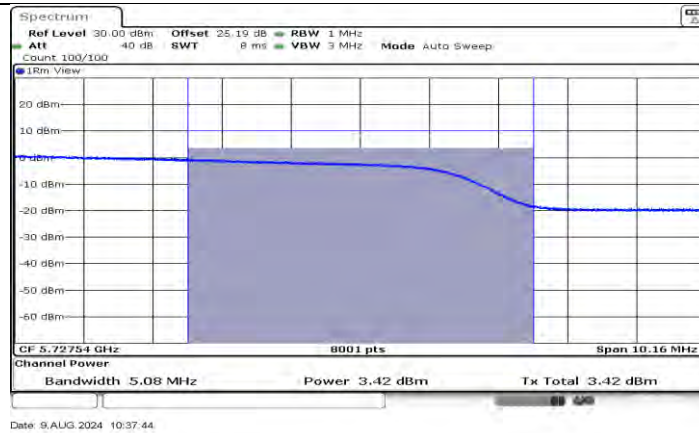
11N20SISO_Ant1_5580



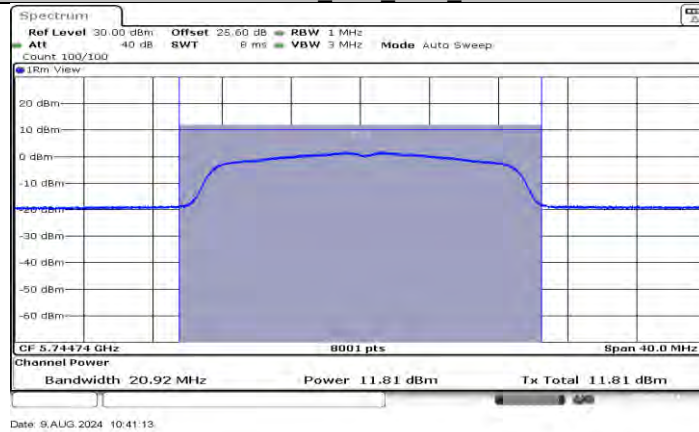
11N20SISO_Ant1_5700



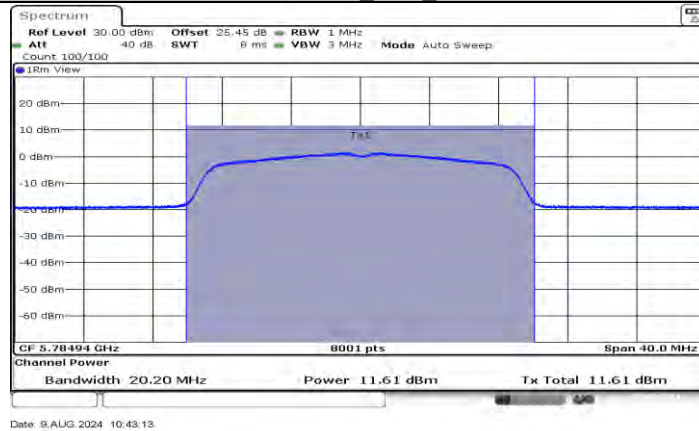
11N20SISO_Ant1_5720_UNII-2C



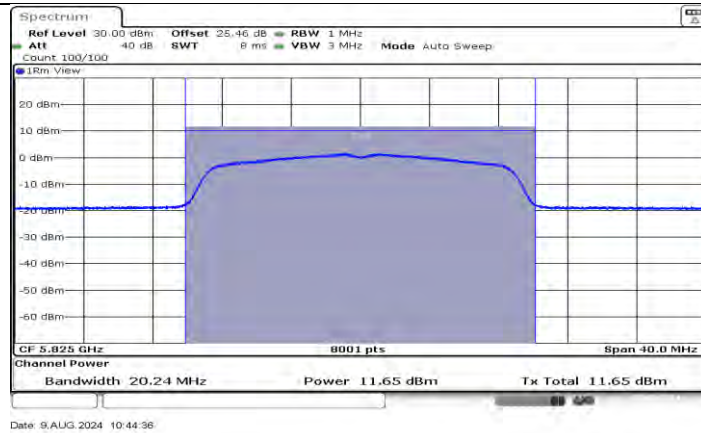
11N20SISO Ant1 5720 UNII-3



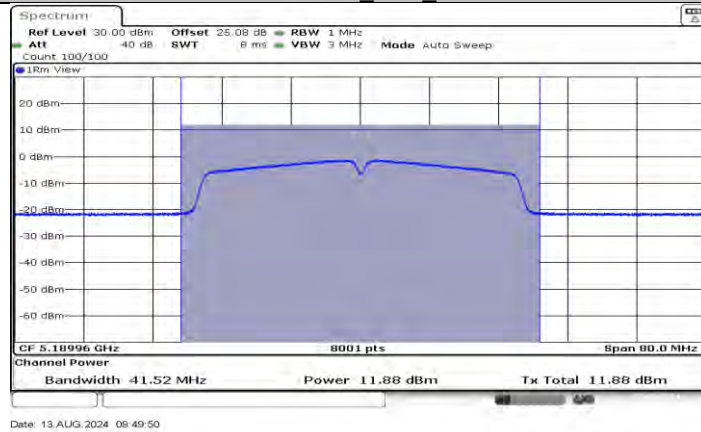
11N20SISO Ant1 5745



11N20SISO Ant1 5785



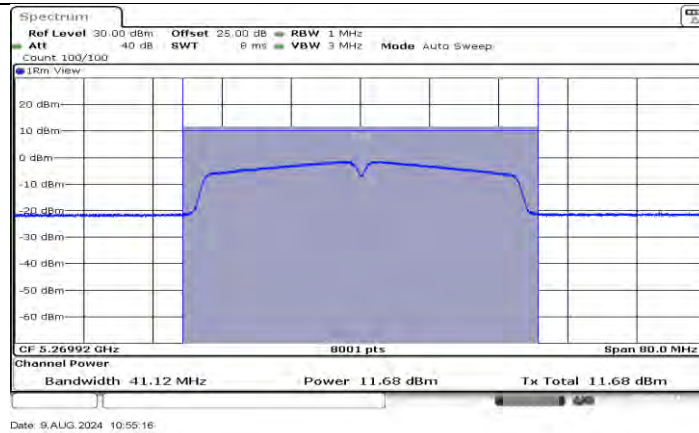
11N20SISO Ant1 5825



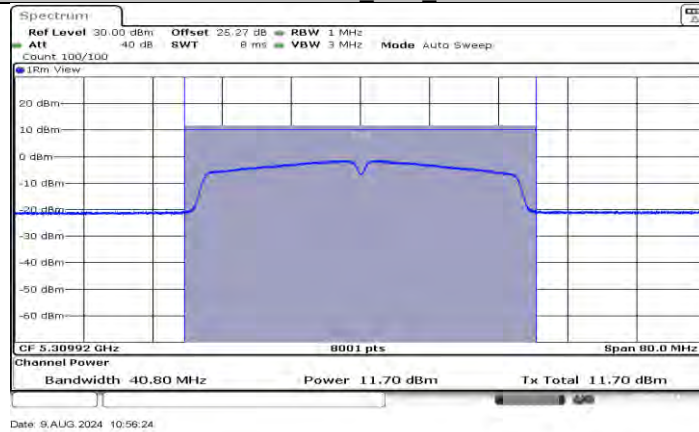
11N40SISO Ant1 5190



11N40SISO Ant1 5230



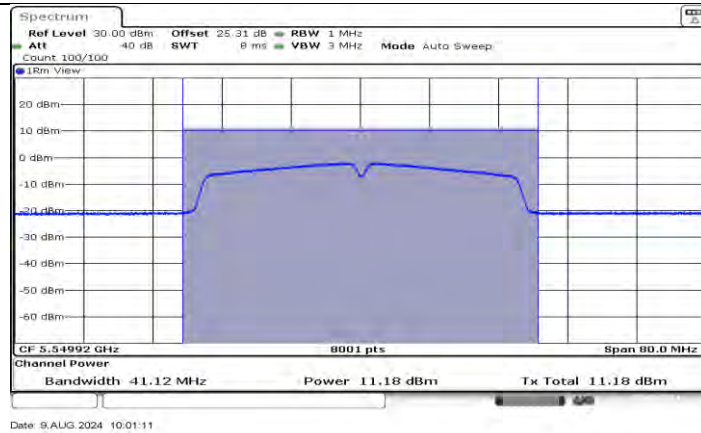
11N40SISO_Ant1_5270



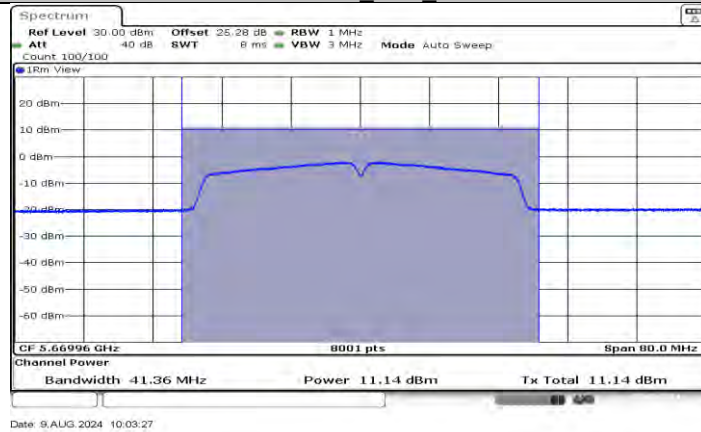
11N40SISO_Ant1_5310



11N40SISO_Ant1_5510



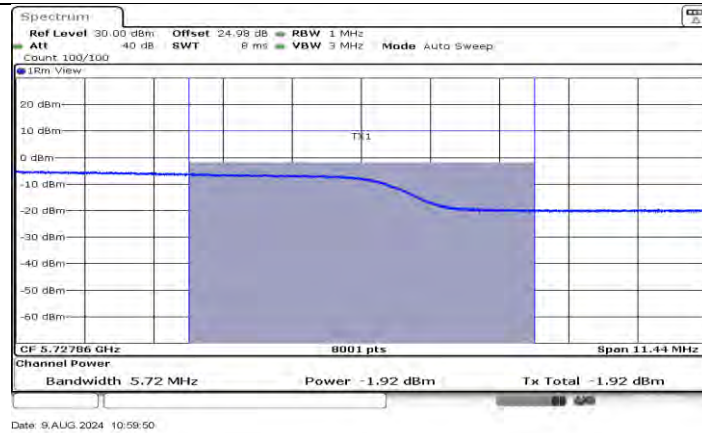
11N40SISO_Ant1_5550



11N40SISO_Ant1_5670



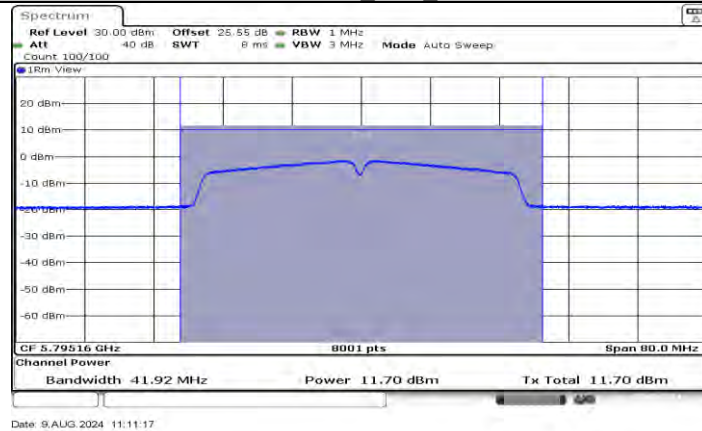
11N40SISO_Ant1_5710_UNII-2C



11N40SISO Ant1 5710 UNII-3



11N40SISO Ant1 5755



11N40SISO Ant1 5795

11.5. APPENDIX E: MAXIMUM POWER SPECTRAL DENSITY

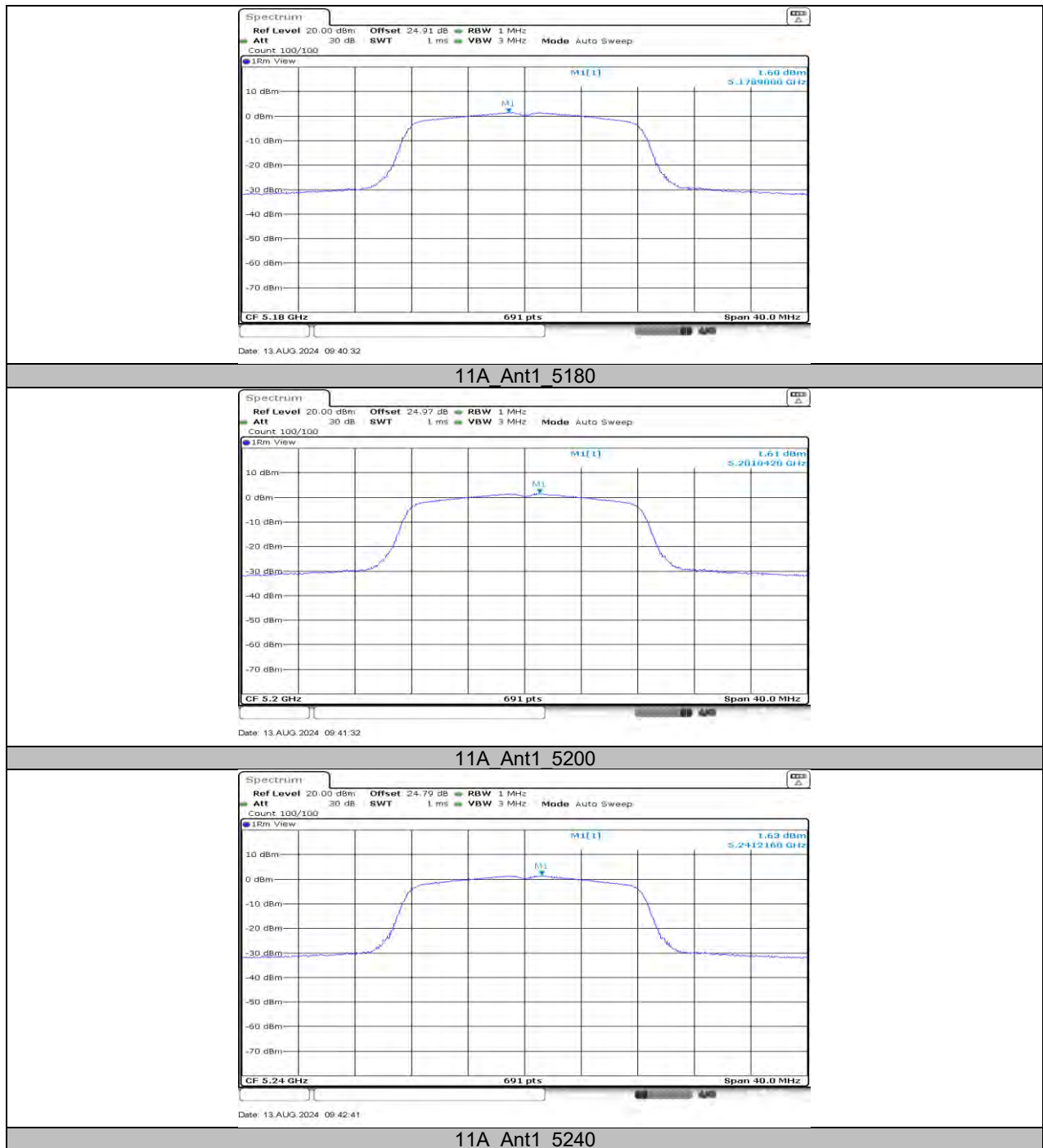
11.5.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	1.60	≤11.00	PASS
		5200	1.61	≤11.00	PASS
		5240	1.63	≤11.00	PASS
		5260	1.83	≤11.00	PASS
		5280	1.99	≤11.00	PASS
		5320	1.83	≤11.00	PASS
		5500	0.79	≤11.00	PASS
		5580	0.86	≤11.00	PASS
		5700	0.59	≤11.00	PASS
		5720 UNII-2C	1.55	≤11.00	PASS
		5720 UNII-3	-3.57	≤30.00	PASS
		5745	-0.92	≤30.00	PASS
		5785	-0.88	≤30.00	PASS
		5825	-0.76	≤30.00	PASS
11N20SISO	Ant1	5180	1.29	≤11.00	PASS
		5200	1.44	≤11.00	PASS
		5240	1.43	≤11.00	PASS
		5260	1.14	≤11.00	PASS
		5280	1.32	≤11.00	PASS
		5320	1.18	≤11.00	PASS
		5500	0.57	≤11.00	PASS
		5580	0.55	≤11.00	PASS
		5700	0.67	≤11.00	PASS
		5720 UNII-2C	1.40	≤11.00	PASS
		5720 UNII-3	-3.54	≤30.00	PASS
		5745	-1.09	≤30.00	PASS
		5785	-1.49	≤30.00	PASS
		5825	-1.25	≤30.00	PASS
11N40SISO	Ant1	5190	-1.34	≤11.00	PASS
		5230	-1.60	≤11.00	PASS
		5270	-1.68	≤11.00	PASS
		5310	-1.52	≤11.00	PASS
		5510	-2.07	≤11.00	PASS
		5550	-2.19	≤11.00	PASS
		5670	-2.25	≤11.00	PASS
		5710 UNII-2C	-2.42	≤11.00	PASS
		5710 UNII-3	-9.22	≤30.00	PASS
		5755	-4.39	≤30.00	PASS
		5795	-4.47	≤30.00	PASS

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

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

11.5.2. Test Graphs





11A Ant1 5260



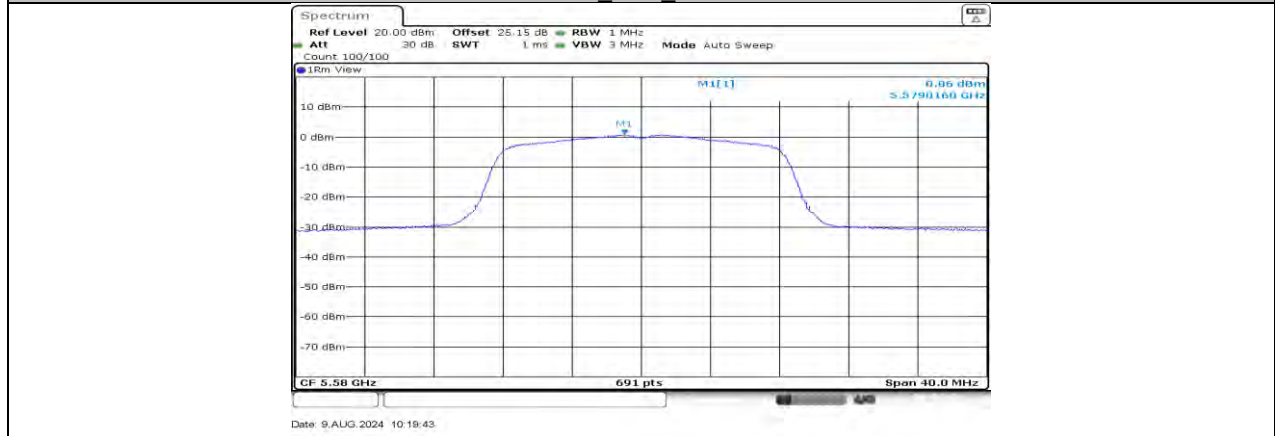
11A Ant1 5280



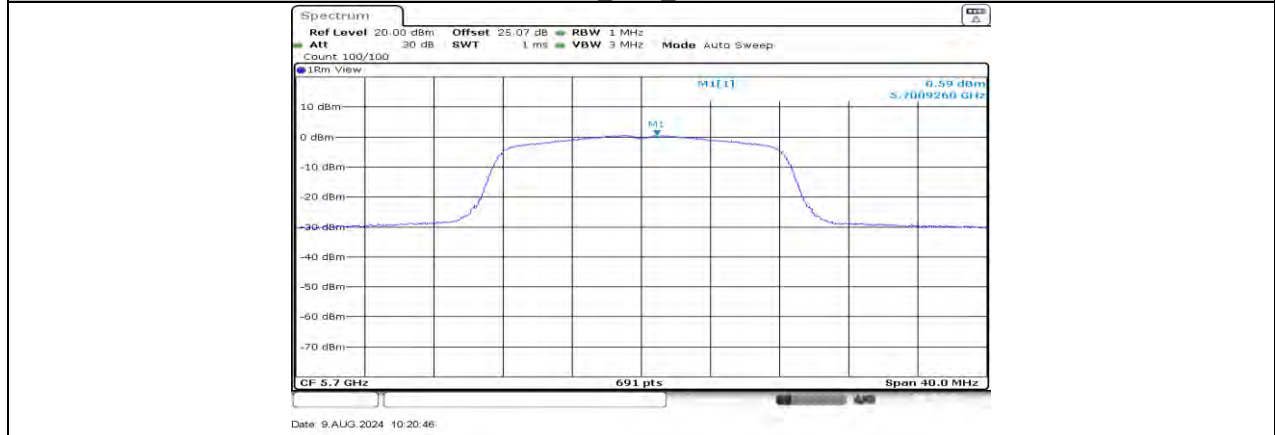
11A Ant1 5320



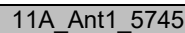
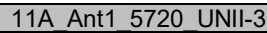
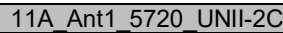
11A_Ant1_5500



11A_Ant1_5580



11A_Ant1_5700





11A Ant1 5785



11A Ant1 5825



11N20SISO Ant1 5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N20SISO_Ant1_5260



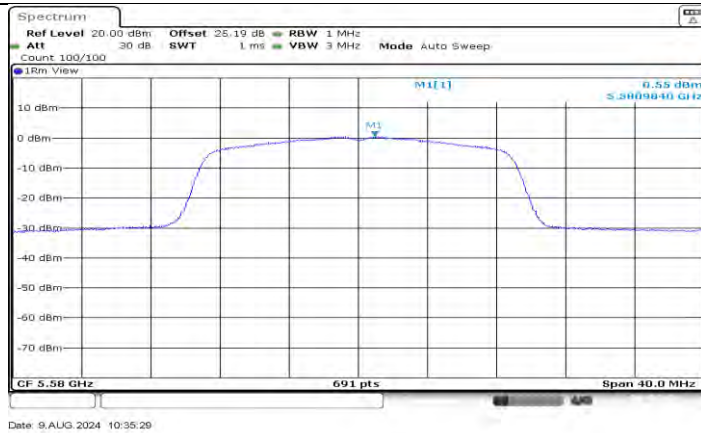
11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



11N20SISO_Ant1_5500



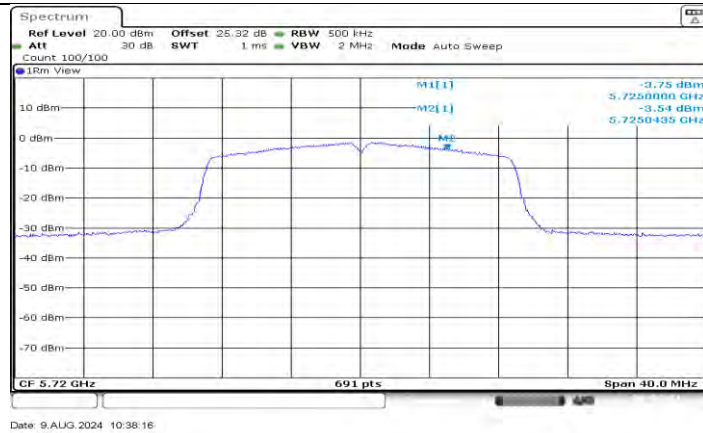
11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



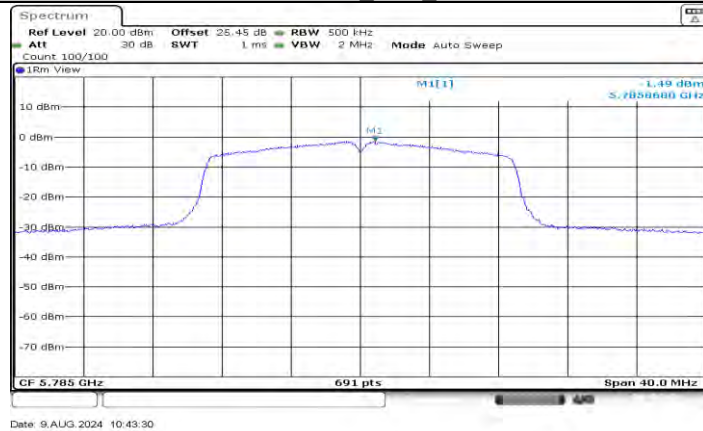
11N20SISO_Ant1_5720_UNII-2C



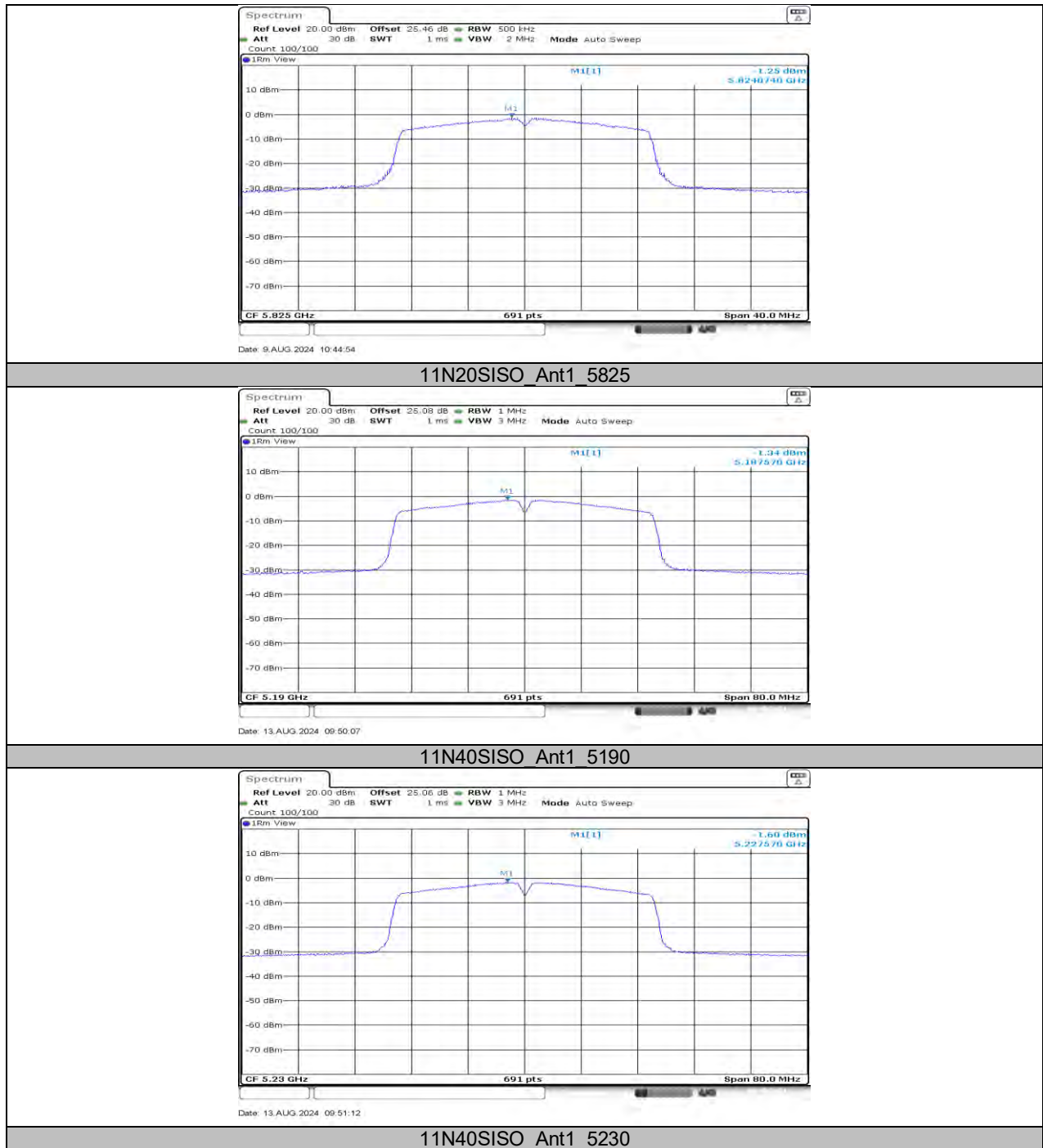
11N20SISO Ant1 5720 UNII-3



11N20SISO Ant1 5745



11N20SISO Ant1 5785





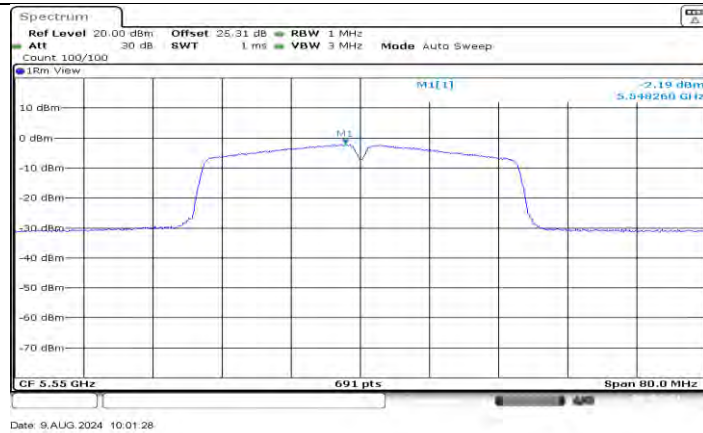
11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



11N40SISO_Ant1_5510



11N40SISO_Ant1_5550



11N40SISO_Ant1_5670



11N40SISO_Ant1_5710_UNII-2C



11N40SISO Ant1 5710 UNII-3



11N40SISO Ant1 5755



11N40SISO Ant1 5795

11.6. APPENDIX I: FREQUENCY STABILITY

11.6.1. Test Result

11.6.2. Test Result

Frequency Error vs. Voltage									
802.11a:5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
TN	VL	5200.0071	1.36	5199.9846	-2.96	5199.9778	-4.27	5199.9752	-4.77
TN	VN	5199.9864	-2.62	5199.9845	-2.98	5199.9804	-3.76	5199.9855	-2.78
TN	VH	5199.9996	-0.07	5199.9774	-4.34	5200.0056	1.07	5200.0124	2.38
Frequency Error vs. Temperature									
802.11a:5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
40	VN	5199.9810	-3.65	5200.0131	2.52	5199.9782	-4.18	5199.9892	-2.07
30	VN	5199.9870	-2.50	5200.0129	2.48	5200.0009	0.17	5199.9888	-2.16
20	VN	5199.9778	-4.26	5199.9878	-2.34	5200.0068	1.30	5200.0244	4.69
10	VN	5199.9786	-4.12	5200.0222	4.27	5200.0035	0.67	5199.9979	-0.41
0	VN	5200.0150	2.89	5199.9910	-1.74	5199.9991	-0.18	5199.9896	-2.01

Note:

1. All antennas, test modes and test channels have been tested, only the worst data record in the report.
2. For the detail Test Conditions, please refer to section 7.5 TEST ENVIRONMENT.

11.7. APPENDIX J: DUTY CYCLE

11.7.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	1.38	1.41	97.87
11N20SISO	Ant1	5180	1.28	1.32	96.97
11N40SISO	Ant1	5190	0.64	0.68	94.12

11.7.2. Test Graphs

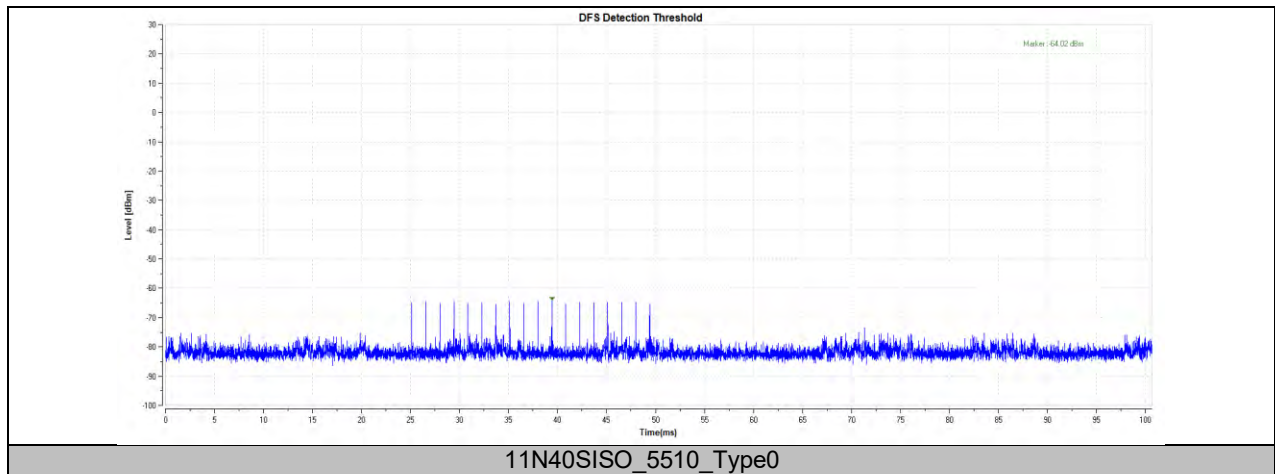


11.8. APPENDIX A: DFS DETECTION THRESHOLDS

11.8.1. Test Result

TestMode	Frequency[dbm]	Radar Type	Result	Limit[dbm]	Verdict
11N40SISO	5510	Type0	-64.02	-62.00	PASS

11.8.2. Test Graphs

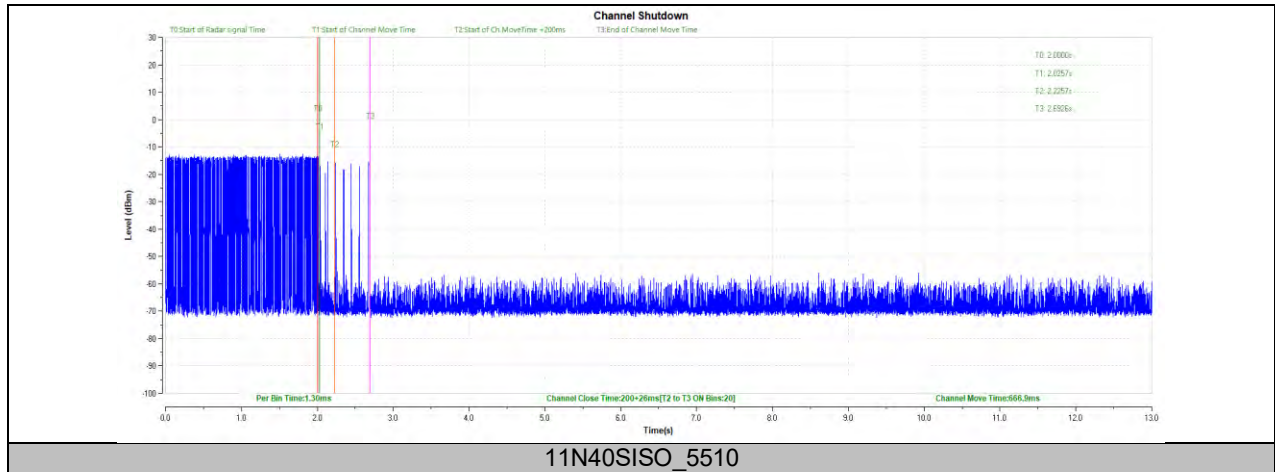


11.9. APPENDIX D: CHANNEL MOVE TIME AND CHANNEL CLOSING TRANSMISSION TIME

11.9.1. Test Result

TestMode	Frequency[MHz]	CCTT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11N40SISO	5510	200+26	200+60	666.9	10000	PASS

11.9.2. Test Graphs

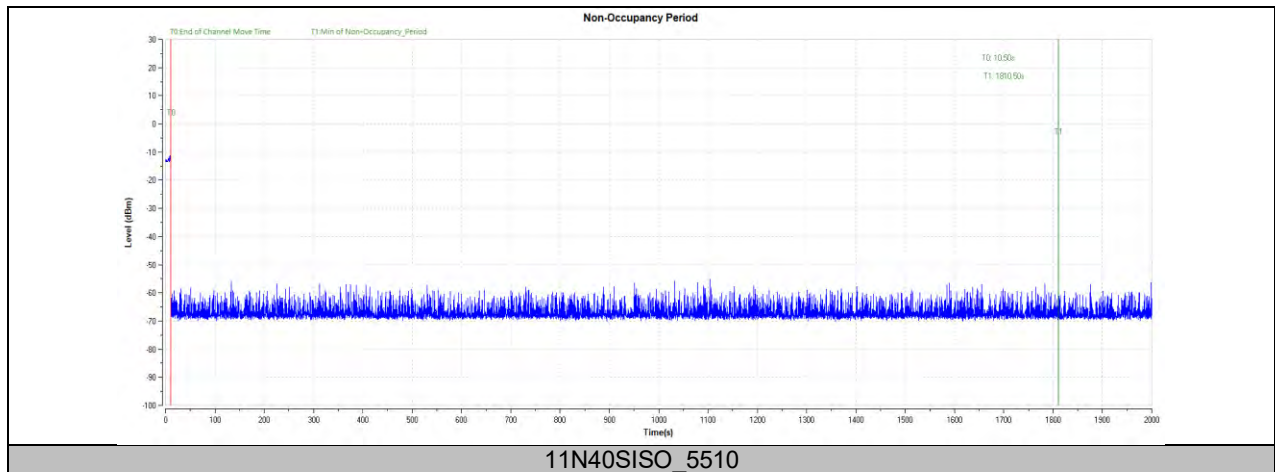


11.10. APPENDIX E: NON-OCCUPANCY PERIOD

11.10.1. Test Result

Test Mode	Frequency[MHz]	Result	Limit[s]	Verdict
11N40SISO	5510	see test graph	≥1800	PASS

11.10.2. Test Graphs



APPENDIX: PHOTOGRAPHS OF TEST CONFIGURATION

Referred to 4791364876-1_Appendix_SetupPhoto

APPENDIX: PHOTOGRAPHS OF THE EUT

4791364876-1_Appendix_EUTPhoto_External

4791364876-1_Appendix_EUTPhoto_Internal

END OF REPORT