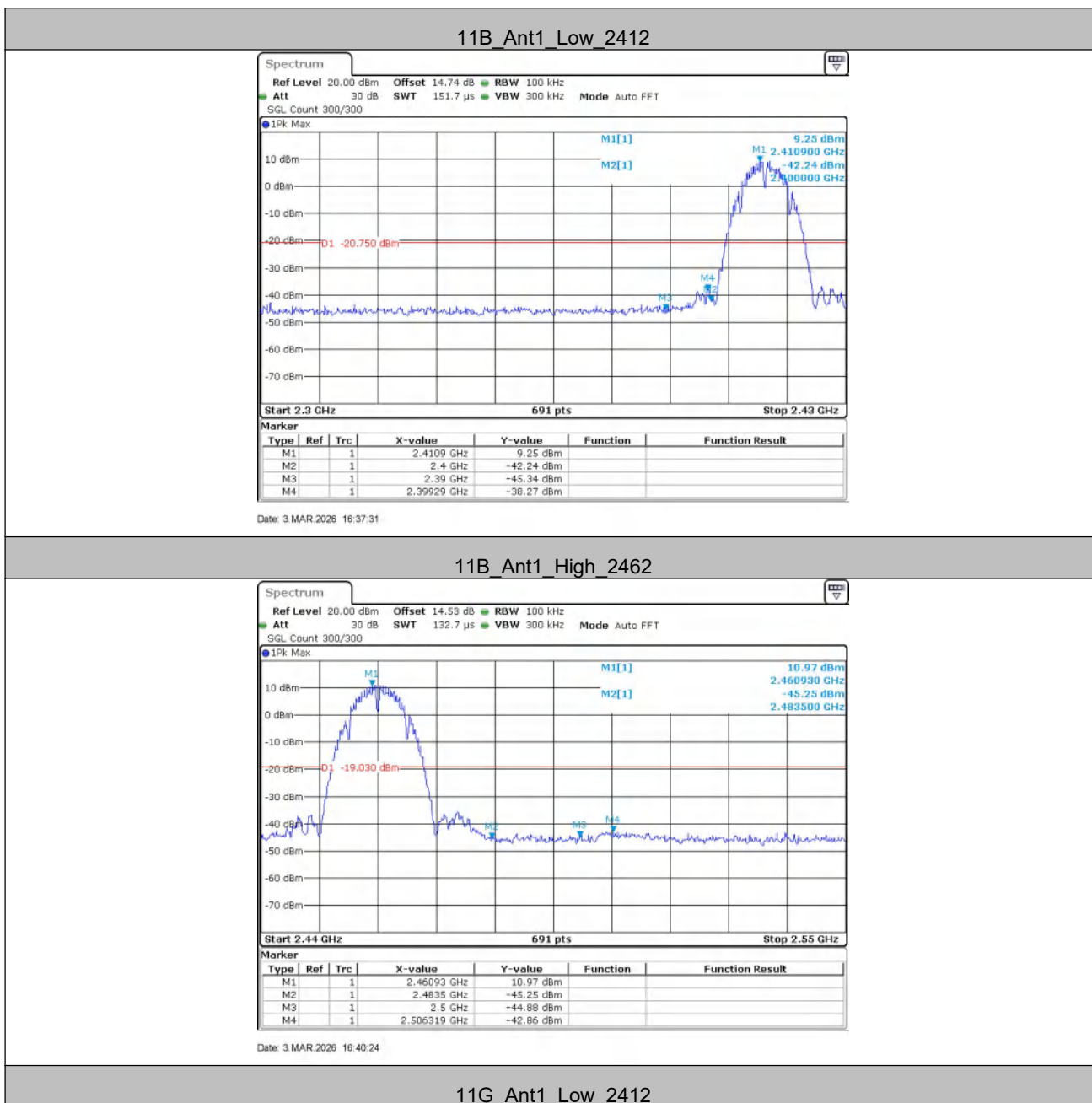
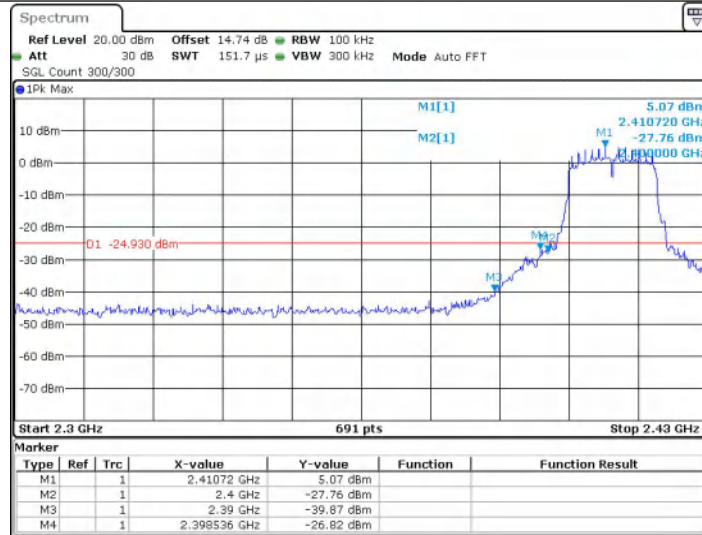


ANT2:

TestMode	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Low	2412	9.50	-36.4	≤ -20.5	PASS
	High	2462	11.09	-42.27	≤ -18.91	PASS
11G	Low	2412	4.65	-26.18	≤ -25.35	PASS
	High	2462	4.62	-40.23	≤ -25.38	PASS
11N20SISO	Low	2412	4.61	-26.21	≤ -25.39	PASS
	High	2462	7.30	-38.45	≤ -22.7	PASS
11N40SISO	Low	2422	2.64	-29.31	≤ -27.36	PASS
	High	2452	3.22	-32.07	≤ -26.78	PASS

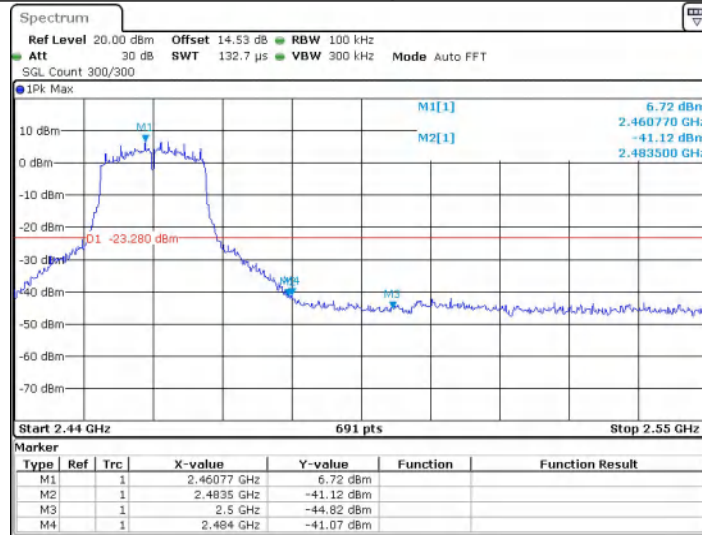
5.7.1 Test Graphs





Date: 3.MAR.2026 16:41:42

11G_Ant1_High_2462



Date: 3.MAR.2026 16:44:22

11N20SISO_Ant1_Low_2412



Date: 3.MAR.2026 17:06:47

11N20SISO_Ant1_High_2462



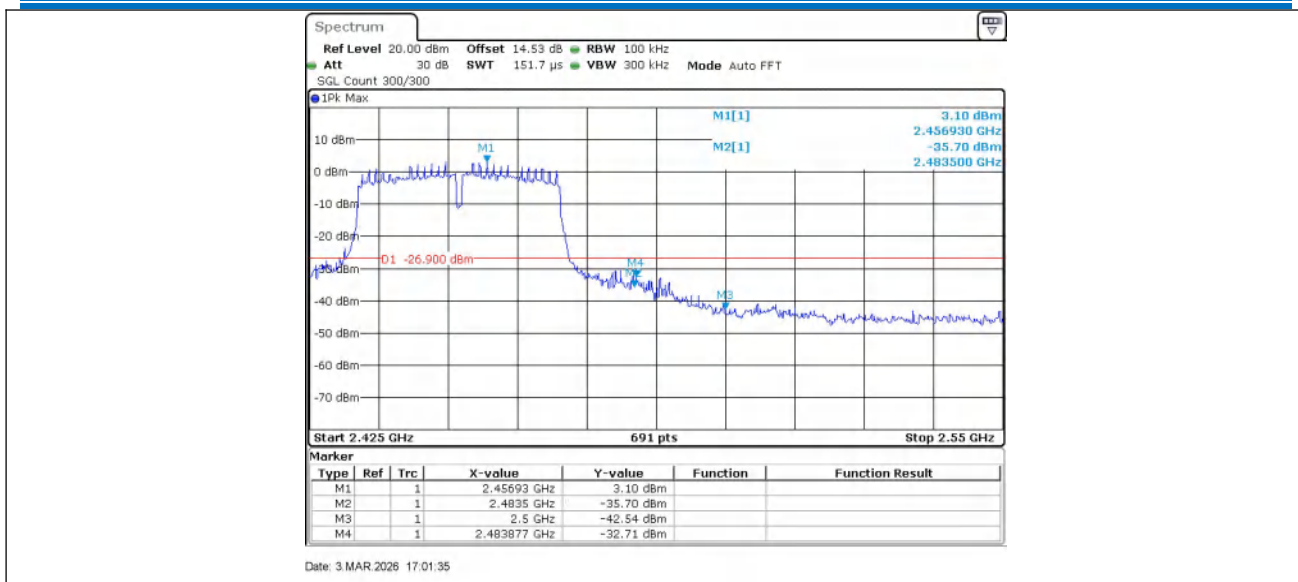
Date: 3.MAR.2026 16:54:22

11N40SISO_Ant1_Low_2422

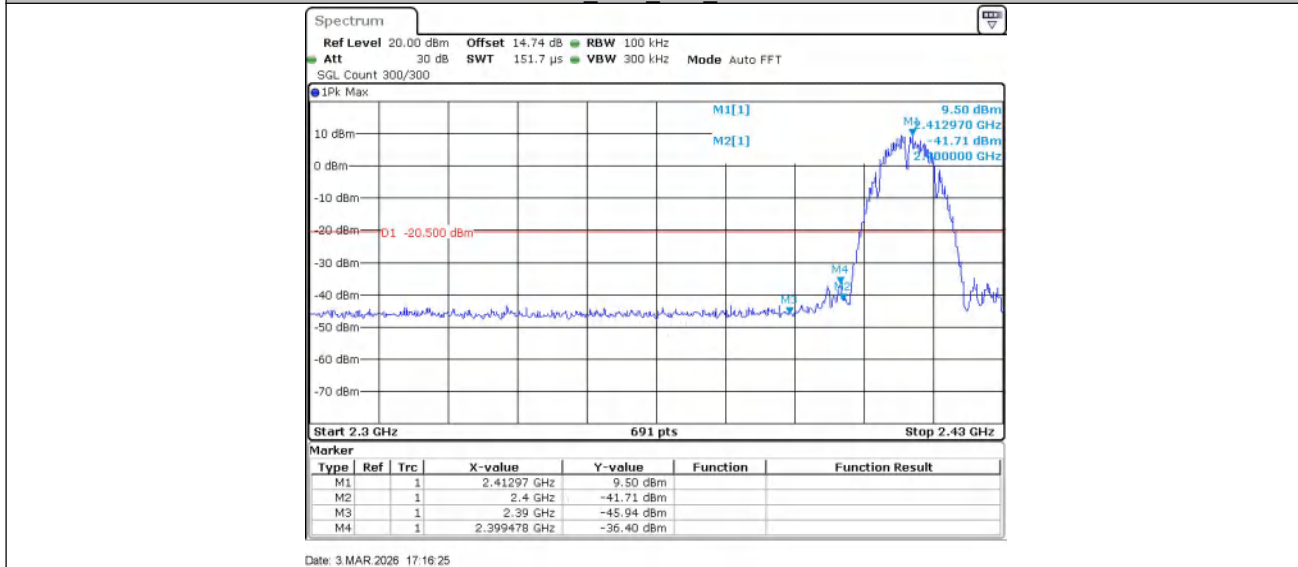


Date: 3.MAR.2026 17:07:04

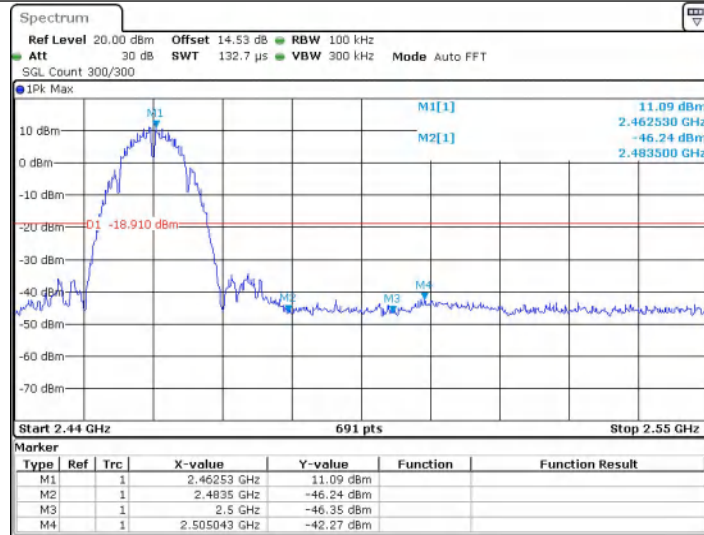
11N40SISO_Ant1_High_2452



11B Ant2 Low 2412

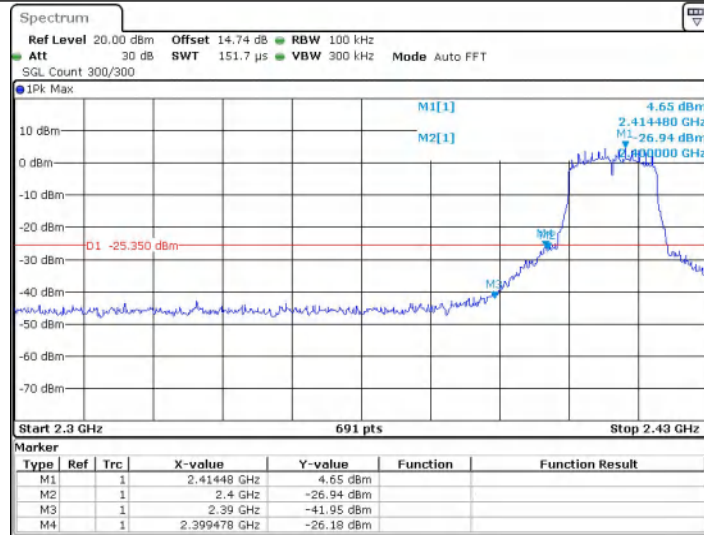


11B Ant2 High 2462



Date: 3.MAR.2026 17:34:15

11G_Ant2_Low_2412



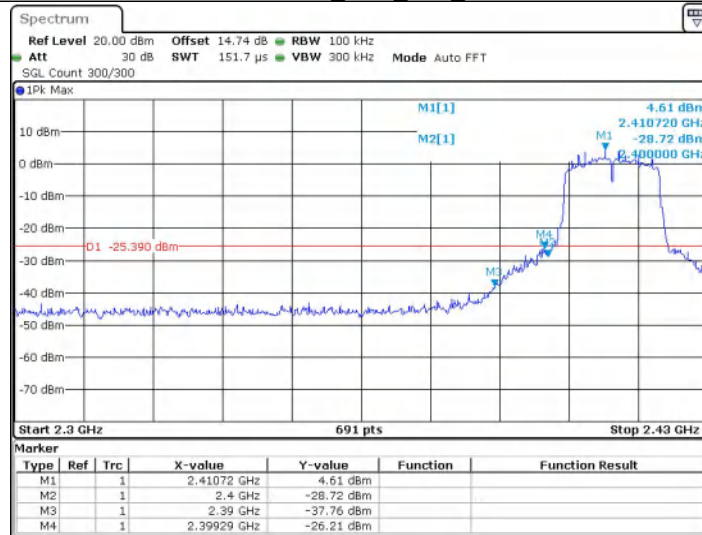
Date: 3.MAR.2026 17:39:50

11G_Ant2_High_2462



Date: 3.MAR.2026 17:42:59

11N20SISO_Ant2_Low_2412



Date: 3.MAR.2026 17:44:35

11N20SISO_Ant2_High_2462



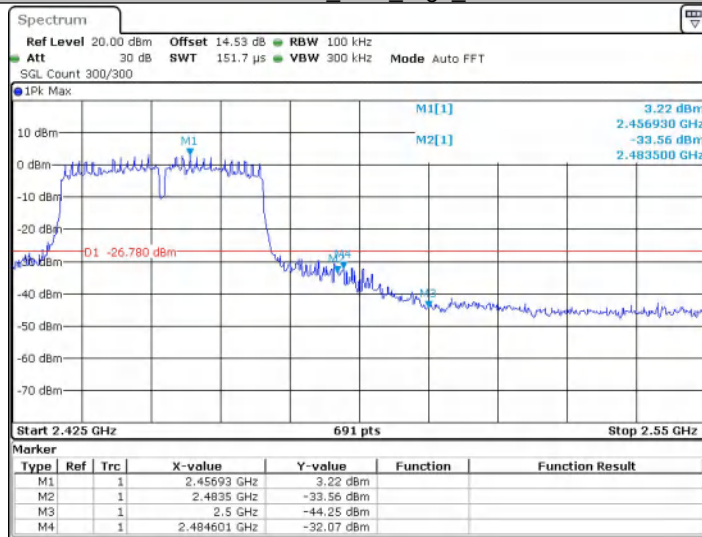
Date: 3.MAR.2026 17:47:27

11N40SISO_Ant2_Low_2422



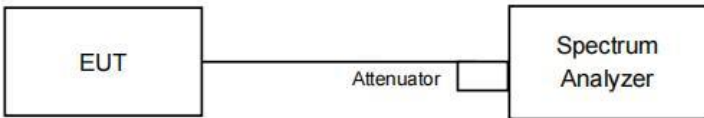
Date: 3.MAR.2026 17:50:29

11N40SISO_Ant2_High_2452



Date: 3.MAR.2026 17:54:01

5.8 RF Conducted Spurious Emissions

Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	ANSI C63.10: 2020
Test Setup:	 Offset=cable loss+ attenuation factor
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Only the worst case is recorded in the report.
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 30 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.
Test Results:	Pass

Test Result

Ant1:

TestMode	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	2412	Reference	6.84	6.84	---	PASS
		30~1000	6.84	-51.96	≤ -23.16	PASS
		1000~26500	6.84	-42.29	≤ -23.16	PASS
	2437	Reference	9.89	9.89	---	PASS
		30~1000	9.89	-51.72	≤ -20.11	PASS
		1000~26500	9.89	-40.97	≤ -20.11	PASS
	2462	Reference	8.46	8.46	---	PASS
		30~1000	8.46	-51.4	≤ -21.54	PASS
		1000~26500	8.46	-41.29	≤ -21.54	PASS
11G	2412	Reference	1.64	1.64	---	PASS
		30~1000	1.64	-52.09	≤ -28.36	PASS
		1000~26500	1.64	-47.56	≤ -28.36	PASS
	2437	Reference	2.75	2.75	---	PASS
		30~1000	2.75	-52.48	≤ -27.25	PASS
		1000~26500	2.75	-48.31	≤ -27.25	PASS
	2462	Reference	3.64	3.64	---	PASS
		30~1000	3.64	-52.63	≤ -26.36	PASS
		1000~26500	3.64	-48.53	≤ -26.36	PASS
11N20SISO	2412	Reference	1.88	1.88	---	PASS
		30~1000	1.88	-51.77	≤ -28.12	PASS
		1000~26500	1.88	-48.28	≤ -28.12	PASS
	2437	Reference	2.45	2.45	---	PASS
		30~1000	2.45	-51.82	≤ -27.55	PASS
		1000~26500	2.45	-48.7	≤ -27.55	PASS
	2462	Reference	3.65	3.65	---	PASS
		30~1000	3.65	-51.17	≤ -26.35	PASS
		1000~26500	3.65	-48.7	≤ -26.35	PASS
11N40SISO	2422	Reference	-1.42	-1.42	---	PASS
		30~1000	-1.42	-50.57	≤ -31.42	PASS
		1000~26500	-1.42	-47.97	≤ -31.42	PASS
	2437	Reference	2.99	2.99	---	PASS
		30~1000	2.99	-50.76	≤ -27.01	PASS
		1000~26500	2.99	-47.35	≤ -27.01	PASS

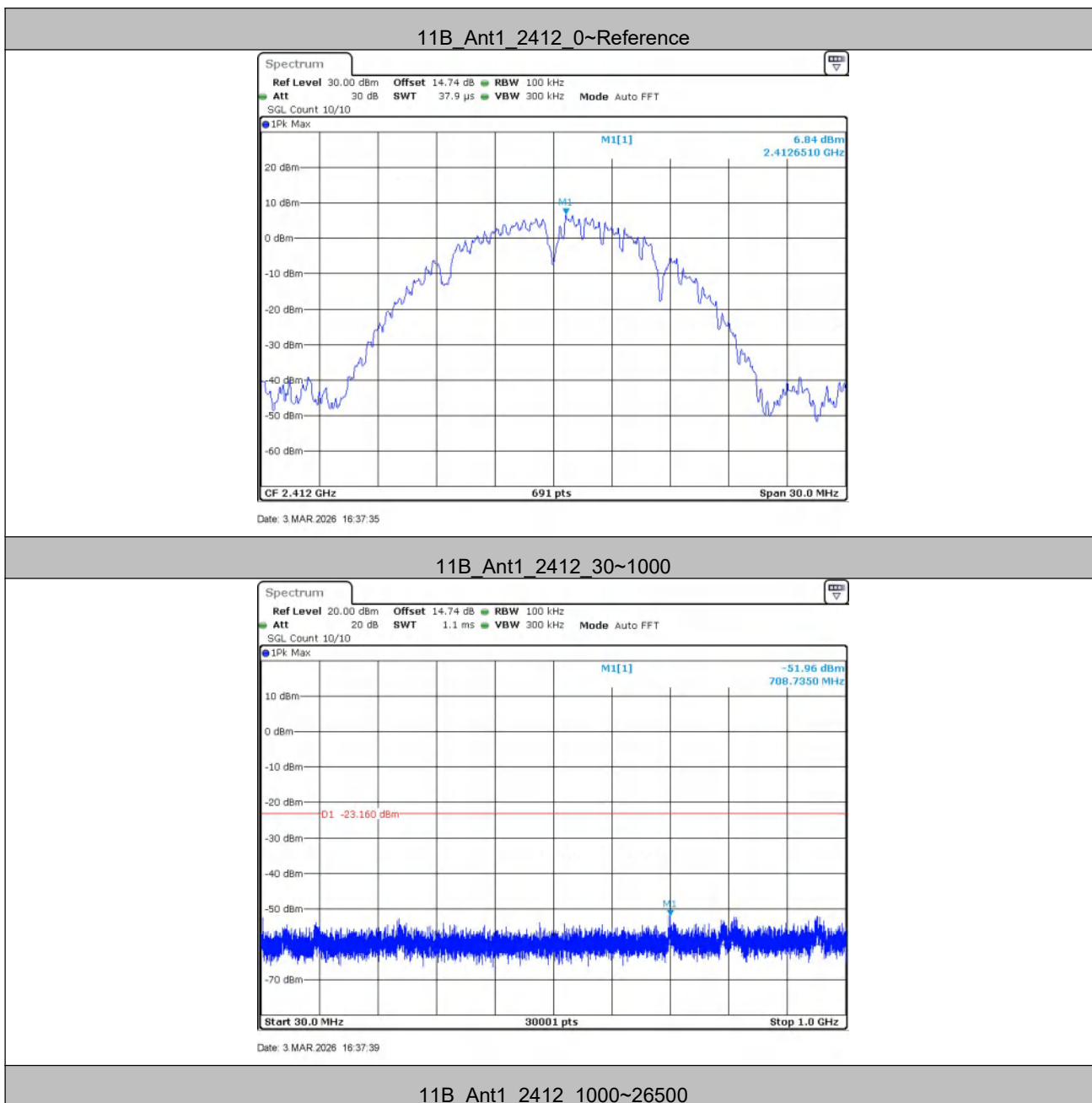
	2452	Reference	2.45	2.45	---	PASS
		30~1000	2.45	-52.12	≤ -27.55	PASS
		1000~26500	2.45	-47.98	≤ -27.55	PASS

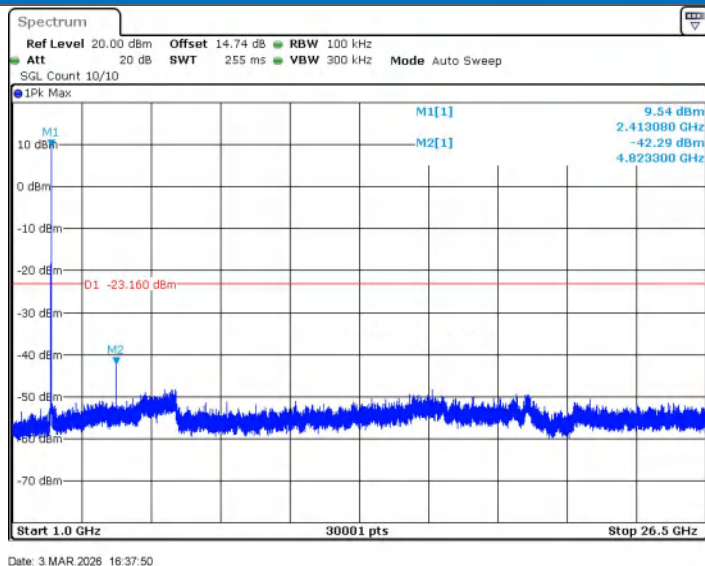
Ant2:

TestMode	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	2412	Reference	9.28	9.28	---	PASS
		30~1000	9.28	-50.42	≤-20.72	PASS
		1000~26500	9.28	-42.41	≤-20.72	PASS
	2437	Reference	8.00	8.00	---	PASS
		30~1000	8.00	-52.97	≤-22	PASS
		1000~26500	8.00	-41.26	≤-22	PASS
	2462	Reference	11.07	11.07	---	PASS
		30~1000	11.07	-52.86	≤-18.93	PASS
		1000~26500	11.07	-41.54	≤-18.93	PASS
11G	2412	Reference	4.74	4.74	---	PASS
		30~1000	4.74	-50.6	≤-25.26	PASS
		1000~26500	4.74	-48.25	≤-25.26	PASS
	2437	Reference	3.18	3.18	---	PASS
		30~1000	3.18	-50.8	≤-26.82	PASS
		1000~26500	3.18	-48.35	≤-26.82	PASS
	2462	Reference	3.84	3.84	---	PASS
		30~1000	3.84	-52.01	≤-26.16	PASS
		1000~26500	3.84	-48.77	≤-26.16	PASS
11N20SISO	2412	Reference	5.12	5.12	---	PASS
		30~1000	5.12	-52.09	≤-24.88	PASS
		1000~26500	5.12	-47.97	≤-24.88	PASS
	2437	Reference	6.59	6.59	---	PASS
		30~1000	6.59	-52.04	≤-23.41	PASS
		1000~26500	6.59	-48.15	≤-23.41	PASS
	2462	Reference	3.22	3.22	---	PASS
		30~1000	3.22	-51.42	≤-26.78	PASS
		1000~26500	3.22	-48.94	≤-26.78	PASS
11N40SISO	2422	Reference	-0.54	-0.54	---	PASS
		30~1000	-0.54	-51.74	≤-30.54	PASS
		1000~26500	-0.54	-48.09	≤-30.54	PASS
	2437	Reference	-0.22	-0.22	---	PASS
		30~1000	-0.22	-51.99	≤-30.22	PASS
		1000~26500	-0.22	-48.41	≤-30.22	PASS
	2452	Reference	-0.75	-0.75	---	PASS

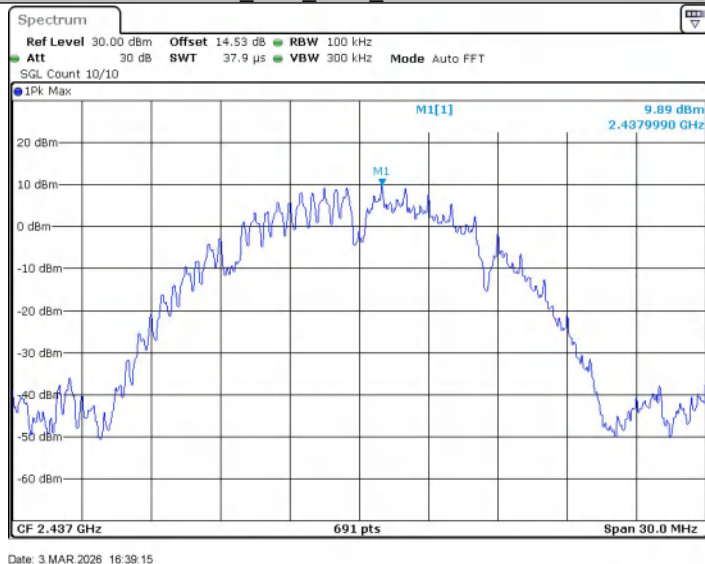
		30~1000	-0.75	-52.31	≤ -30.75	PASS
		1000~26500	-0.75	-48.42	≤ -30.75	PASS

Test Graphs

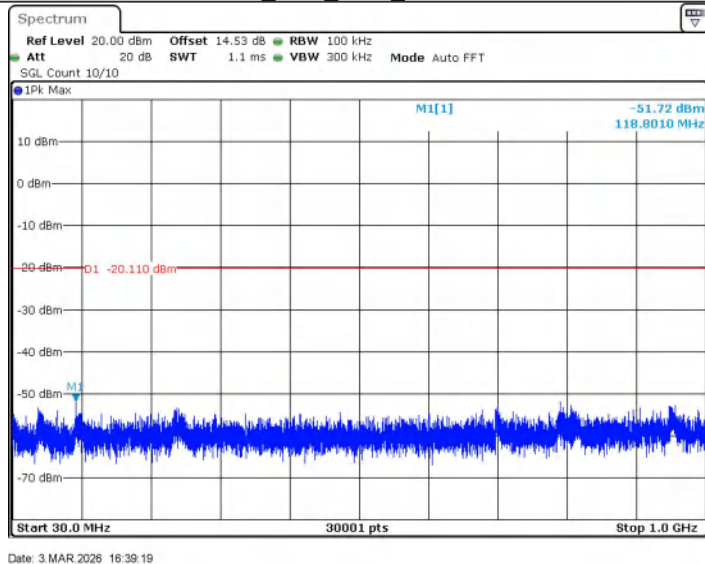




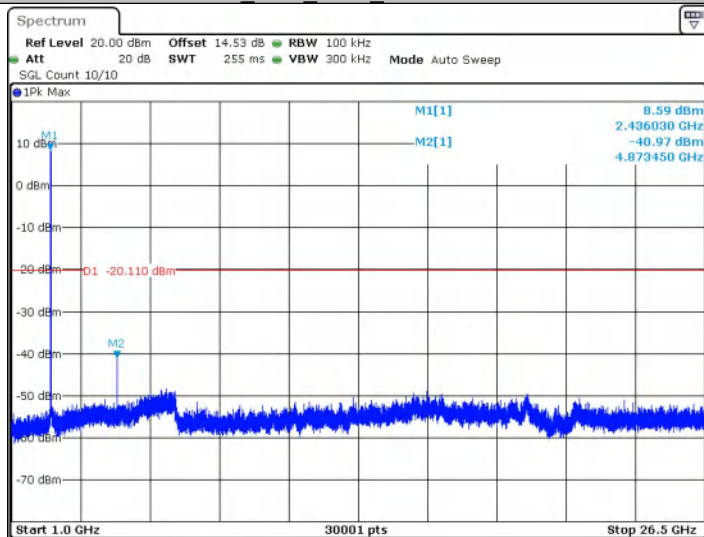
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000

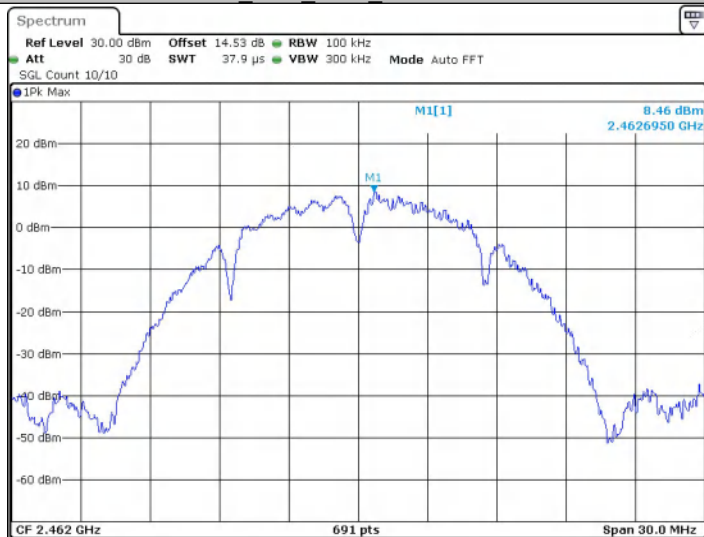


11B_Ant1_2437_1000~26500



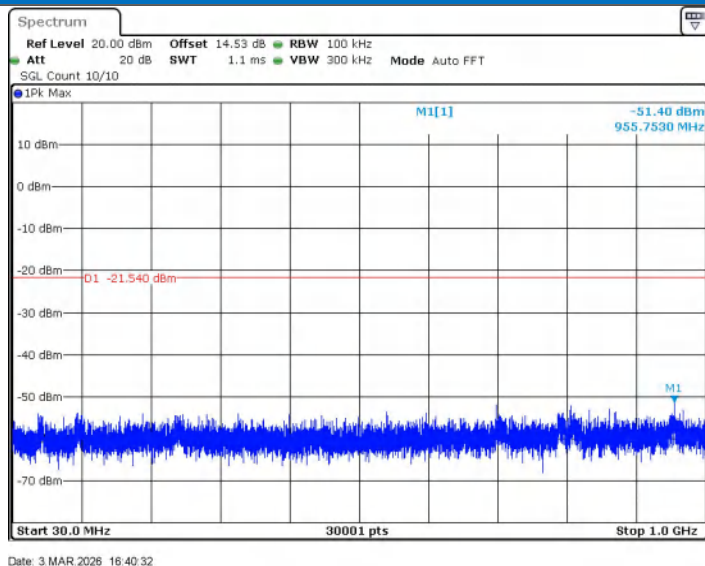
Date: 3.MAR.2026 16:39:30

11B_Ant1_2462_0~Reference

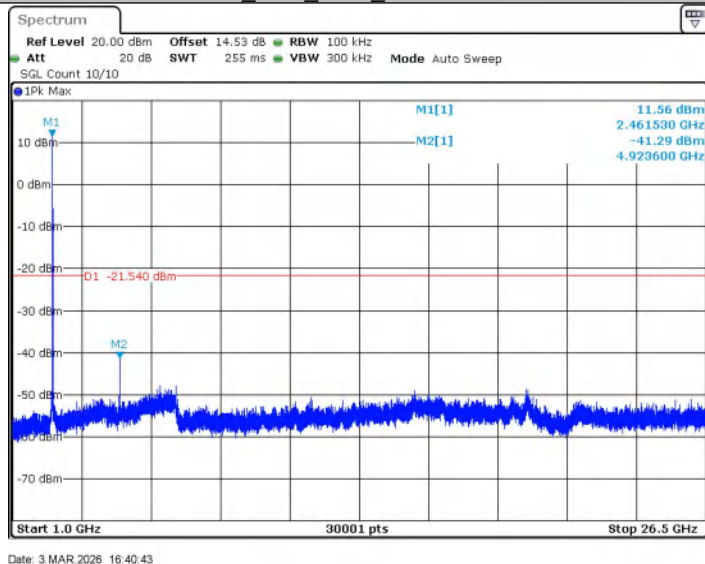


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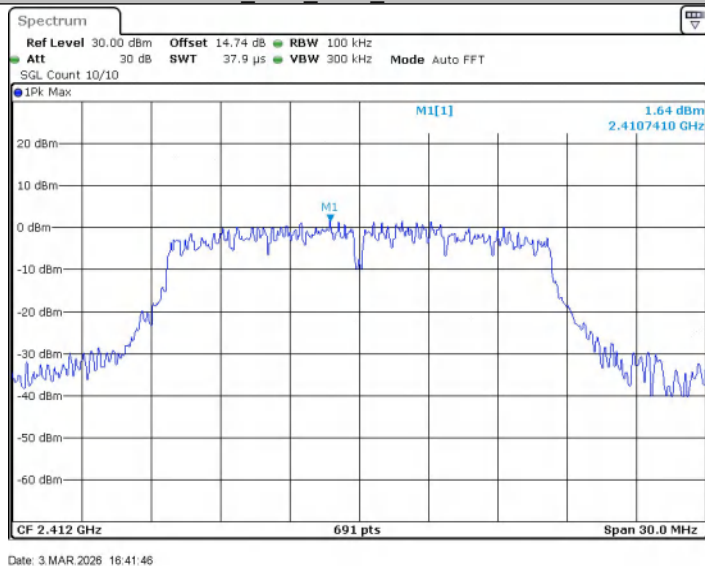
11B_Ant1_2462_30~1000



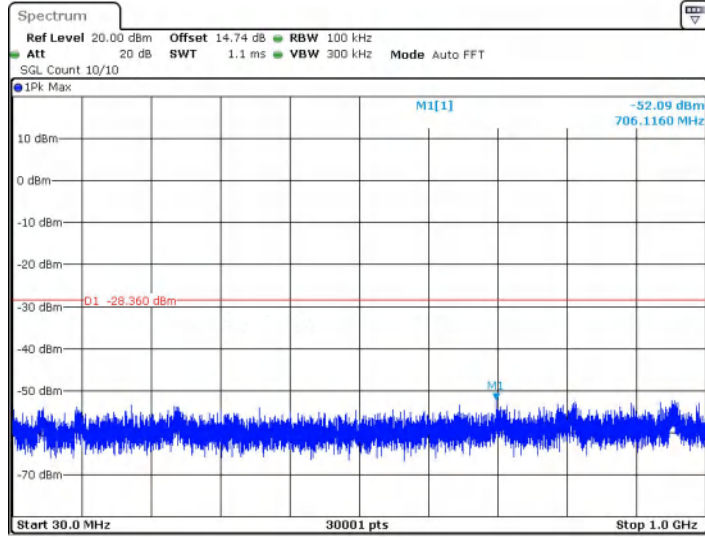
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference

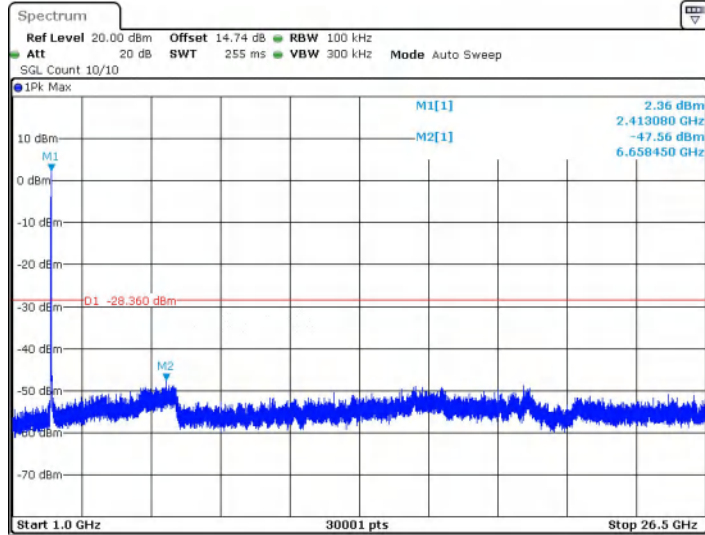


11G_Ant1_2412_30~1000



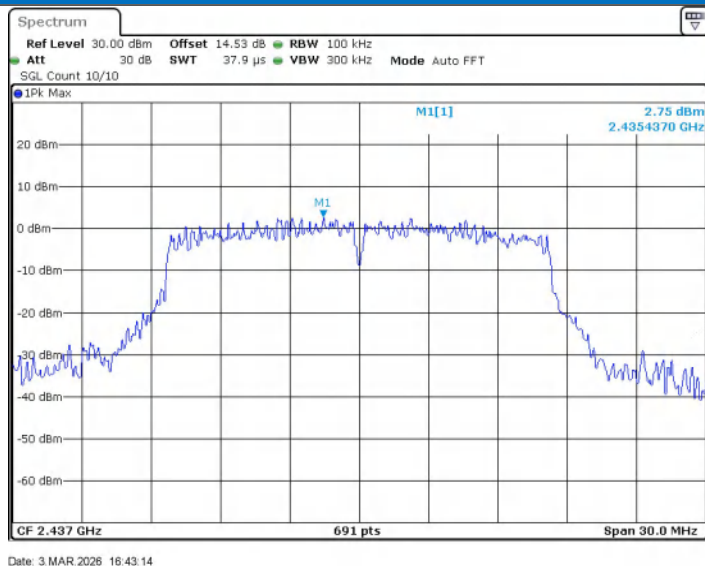
Date: 3.MAR.2026 16:41:51

11G_Ant1_2412_1000~26500

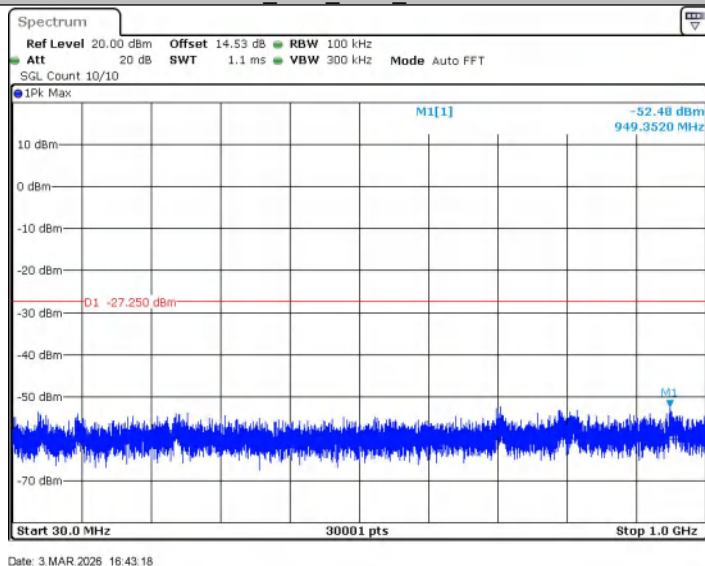


Date: 3.MAR.2026 16:42:01

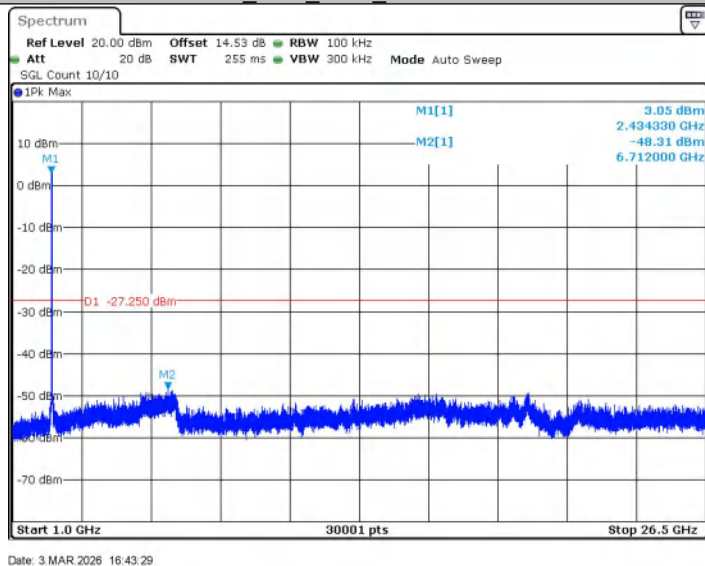
11G_Ant1_2437_0~Reference



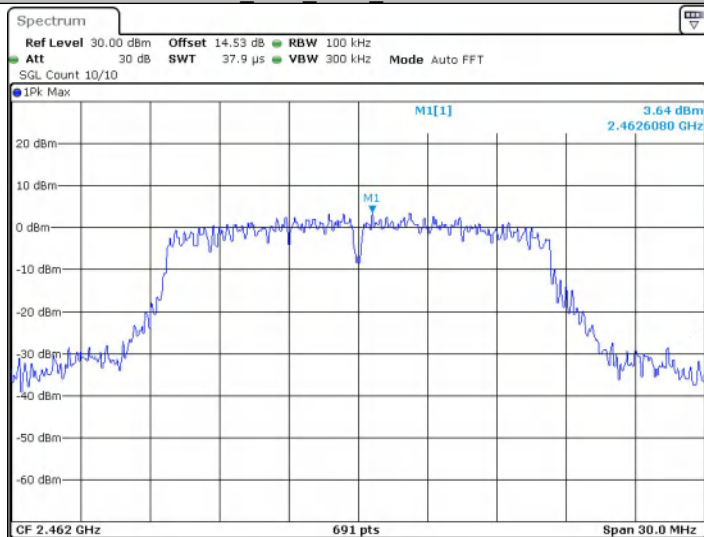
11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500

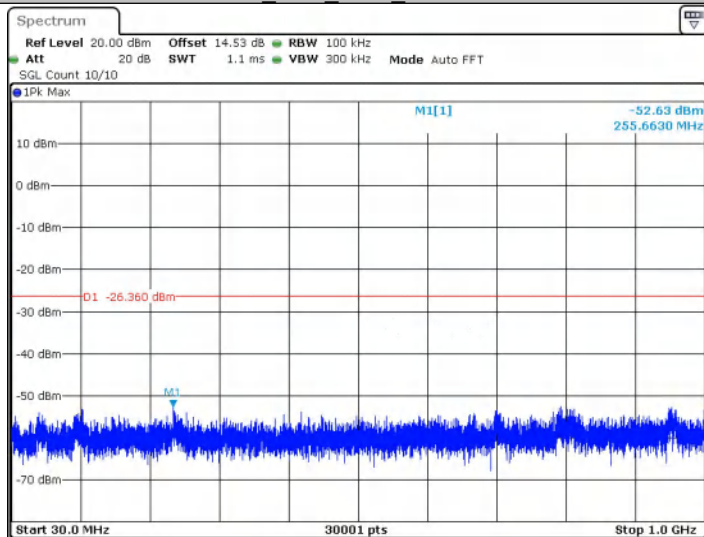


11G_Ant1_2462_0~Reference



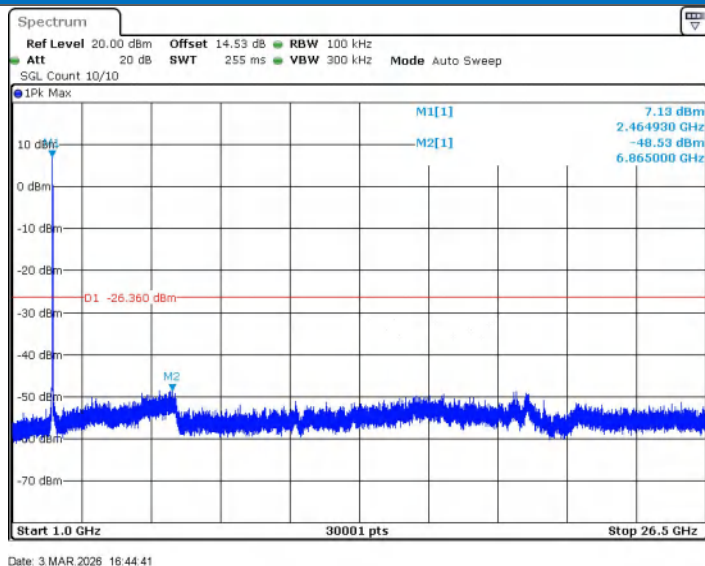
Date: 3.MAR.2026 16:44:26

11G_Ant1_2462_30~1000

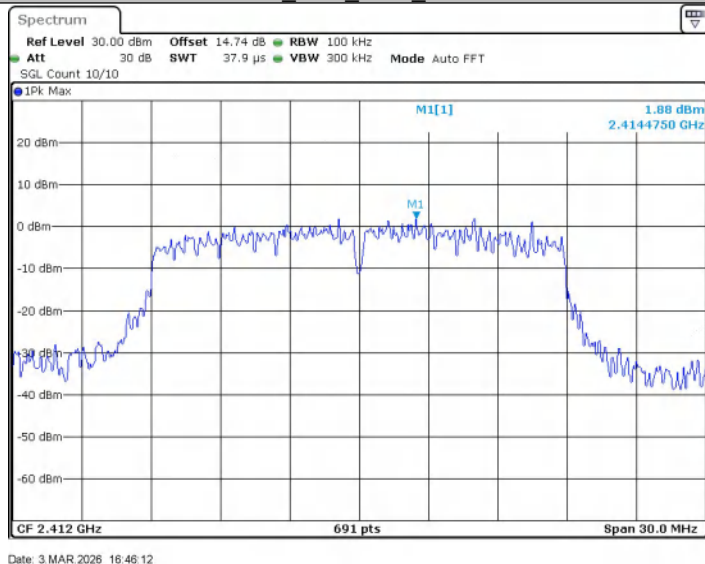


Date: 3.MAR.2026 16:44:31

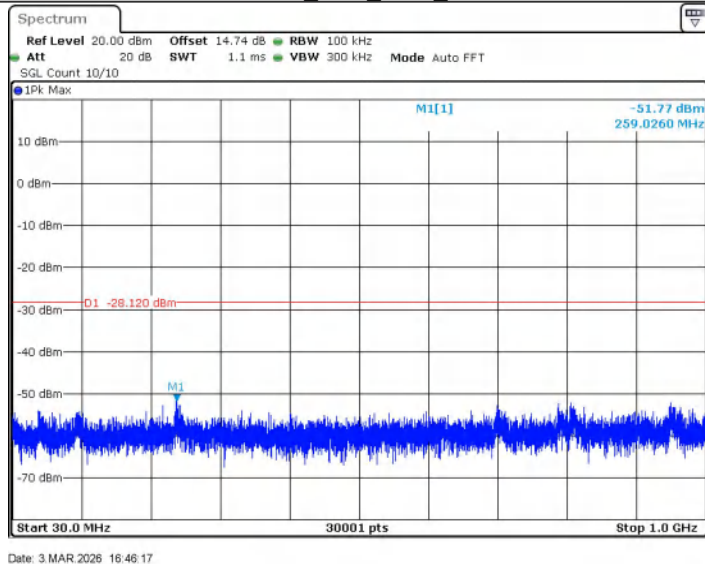
11G_Ant1_2462_1000~26500



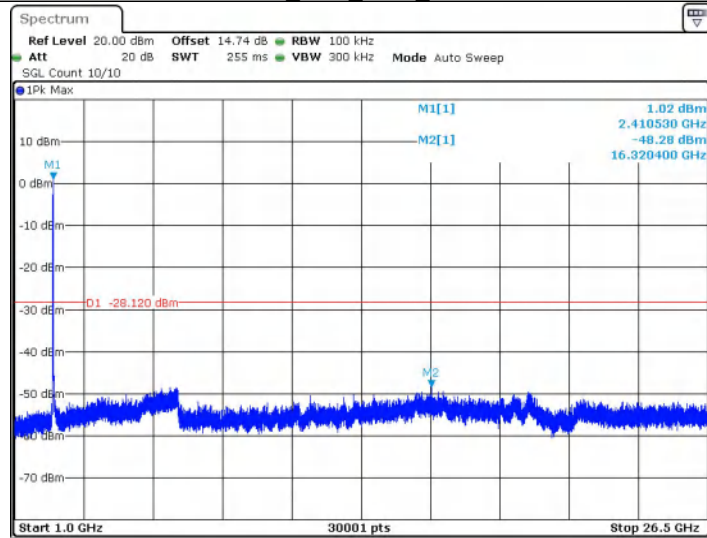
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000

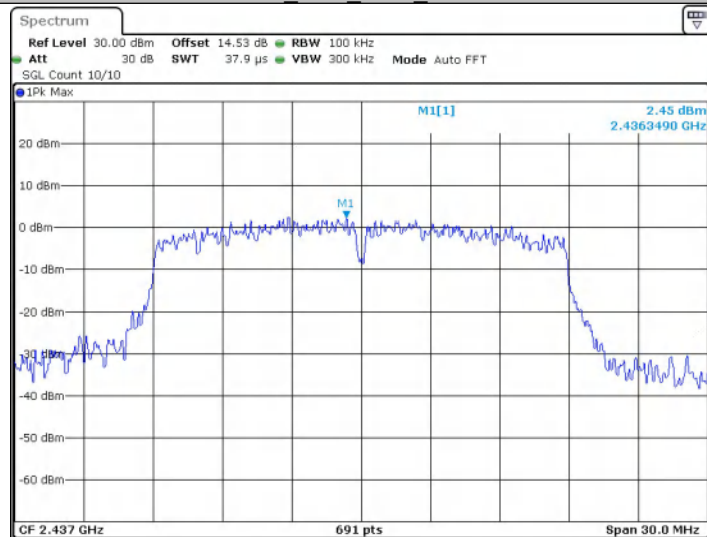


11N20SISO_Ant1_2412_1000~26500



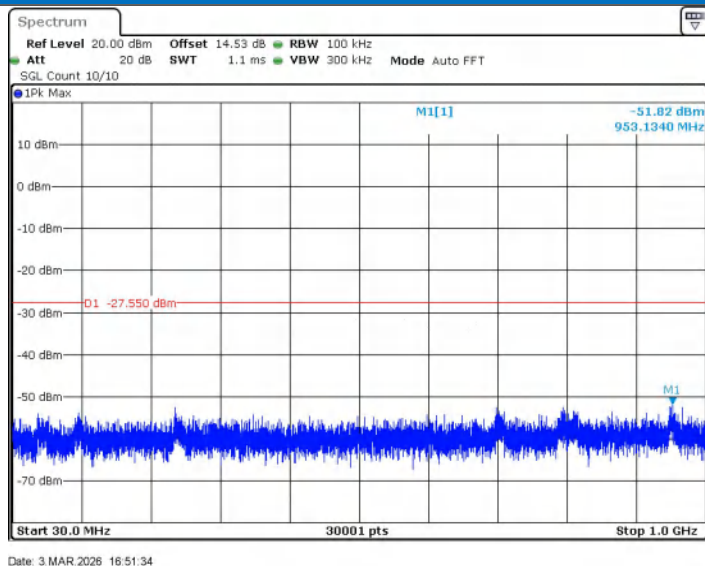
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11N20SISO_Ant1_2437_0~Reference

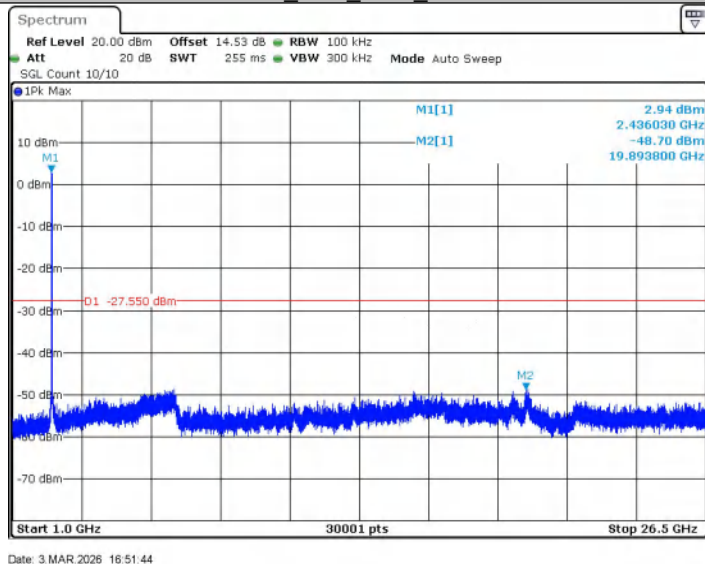


Date: 3.MAR.2026 16:51:29

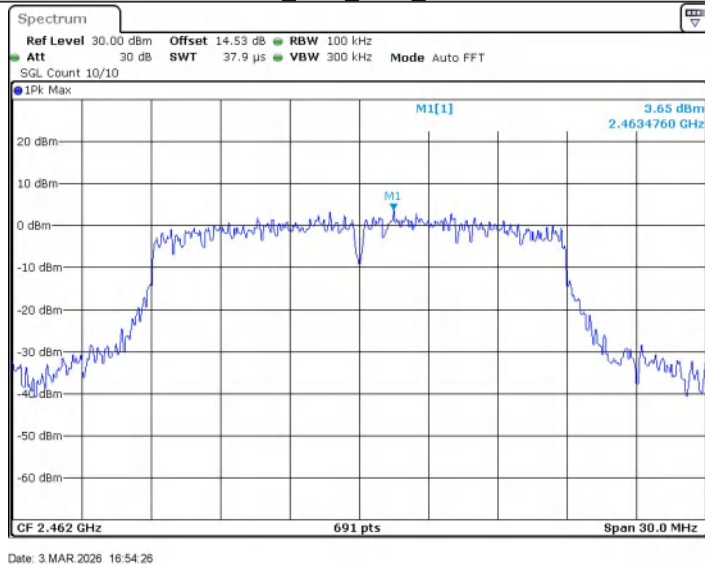
11N20SISO_Ant1_2437_30~1000



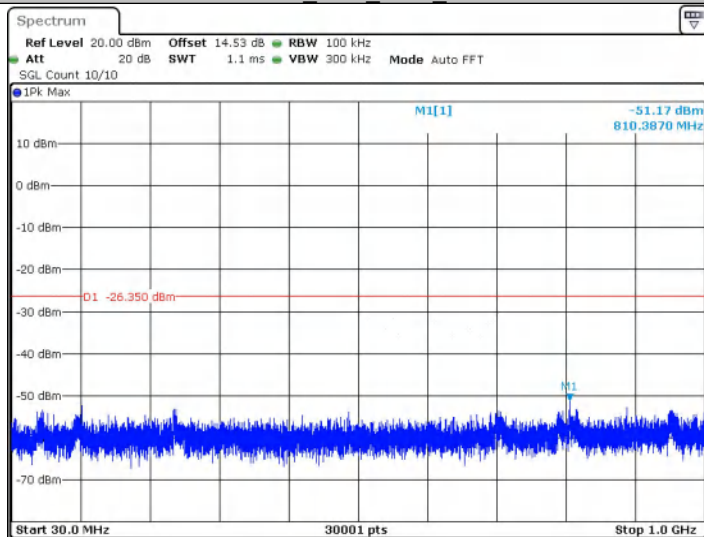
11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference

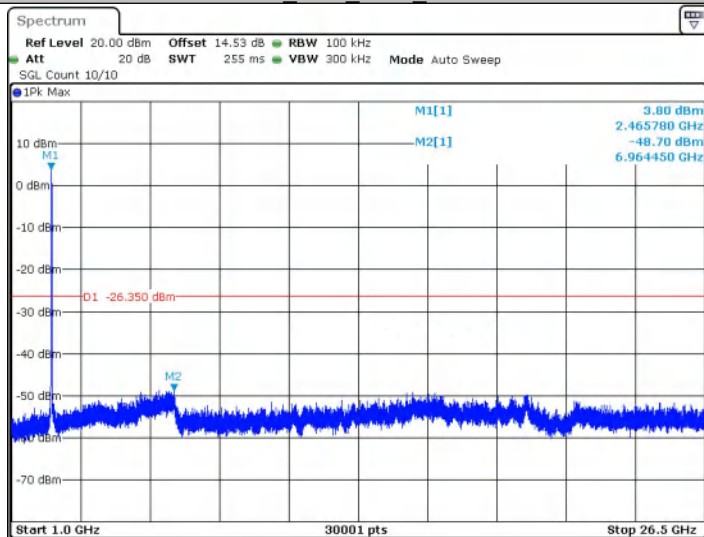


11N20SISO_Ant1_2462_30~1000



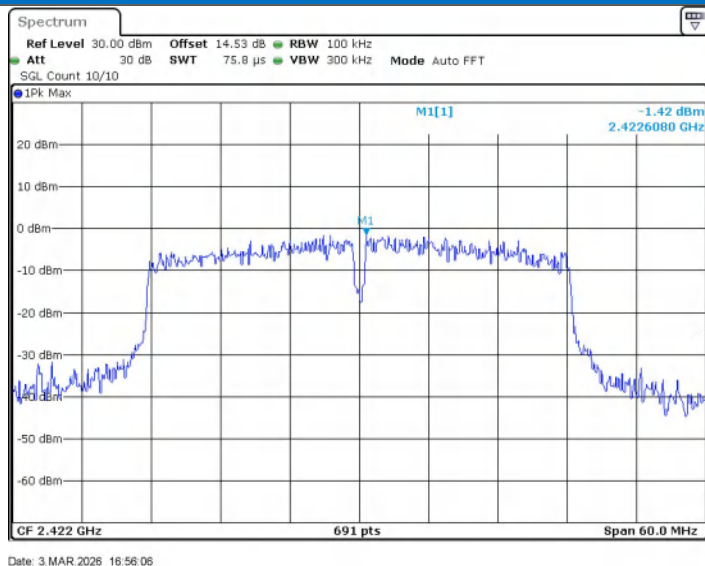
Date: 3.MAR.2026 16:54:31

11N20SISO_Ant1_2462_1000~26500

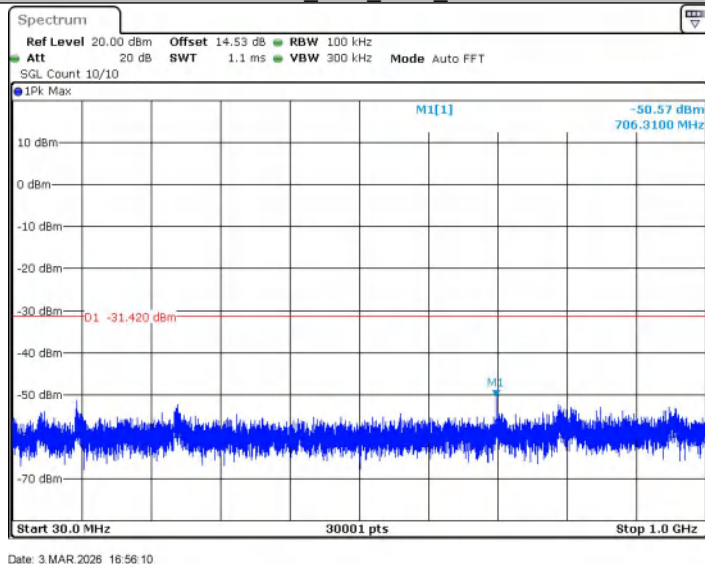


Date: 3.MAR.2026 16:54:41

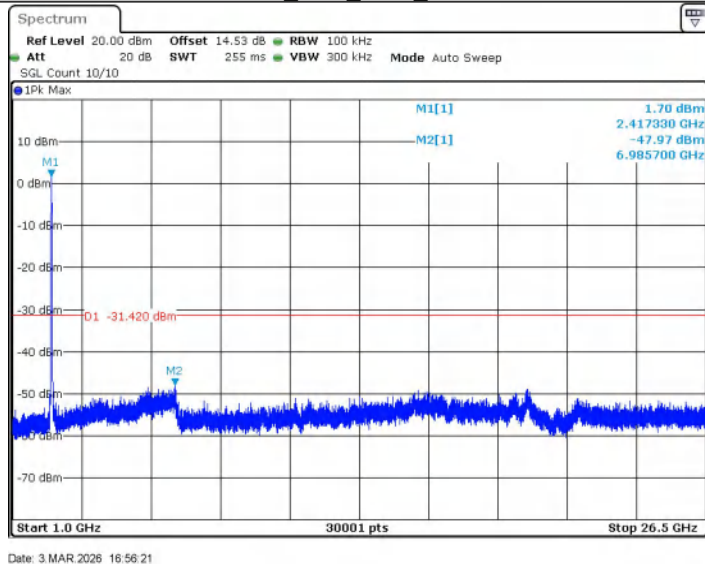
11N40SISO_Ant1_2422_0~Reference



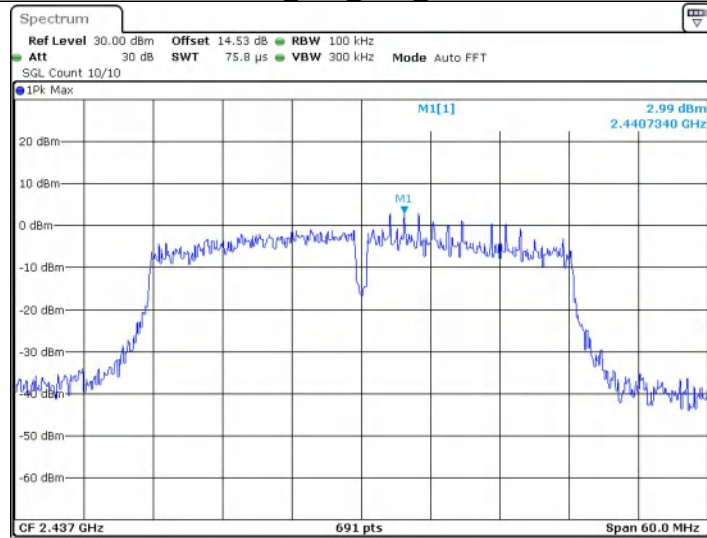
11N40SISO_Ant1_2422_30~1000



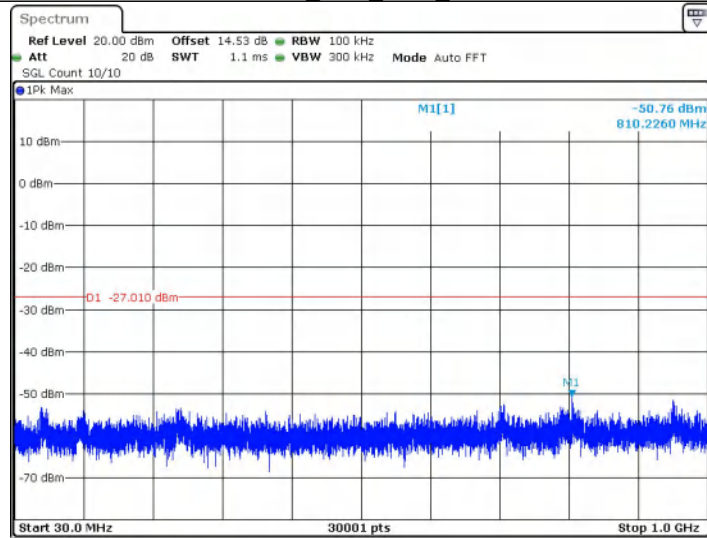
11N40SISO_Ant1_2422_1000~26500



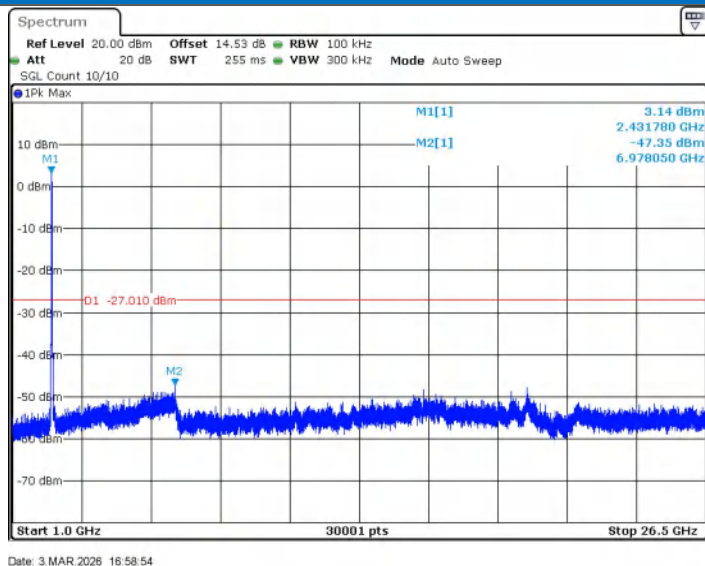
11N40SISO_Ant1_2437_0~Reference



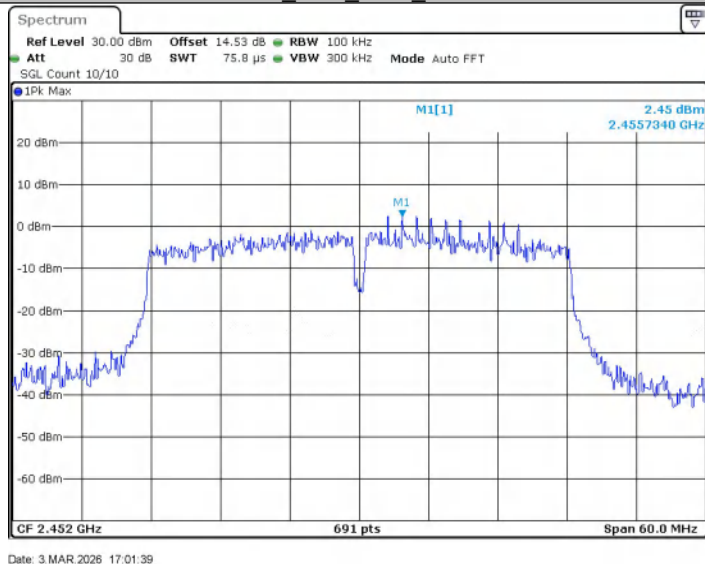
11N40SISO_Ant1_2437_30~1000



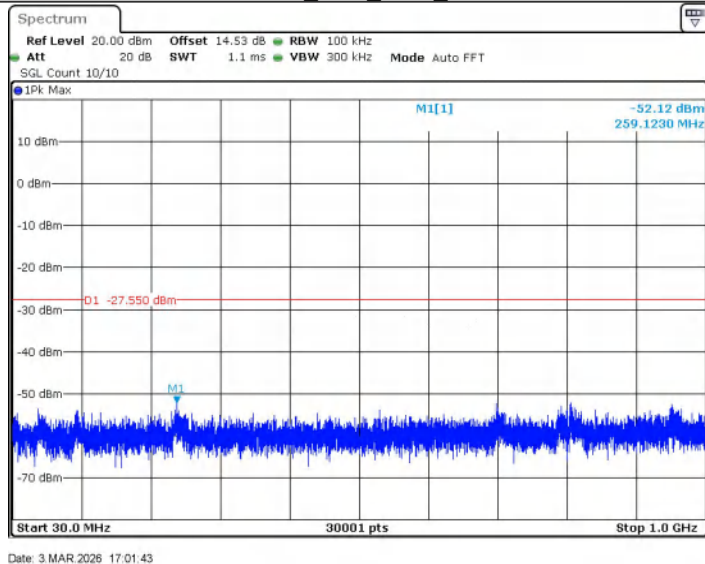
11N40SISO_Ant1_2437_1000~26500



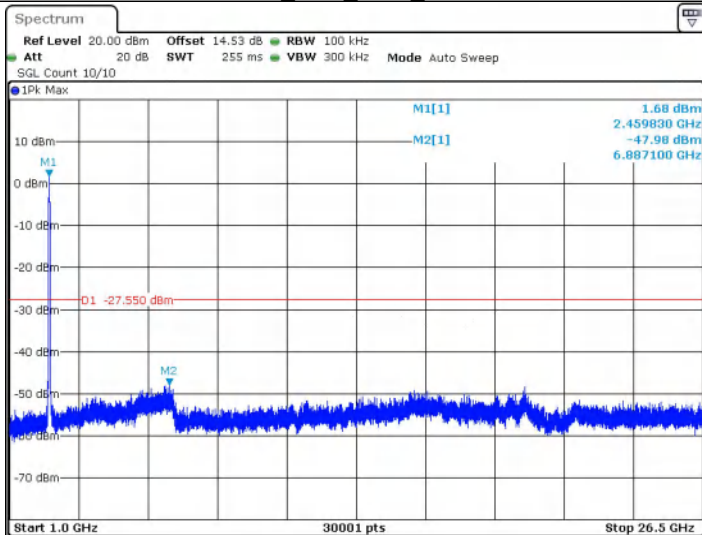
11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000

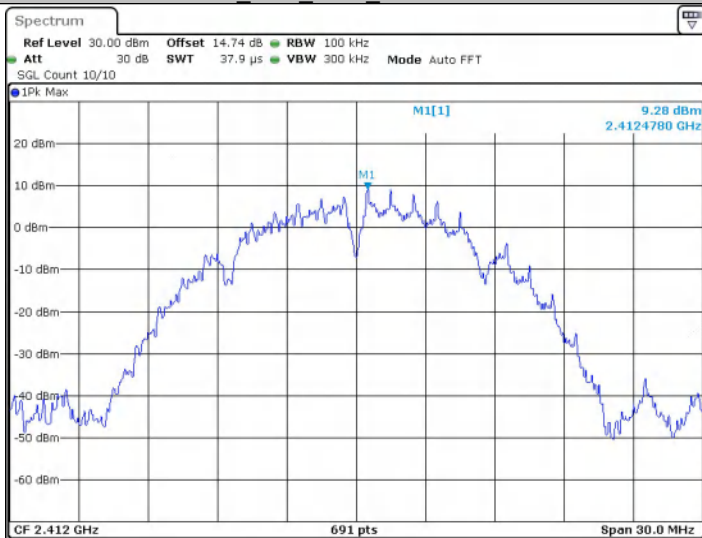


11N40SISO_Ant1_2452_1000~26500



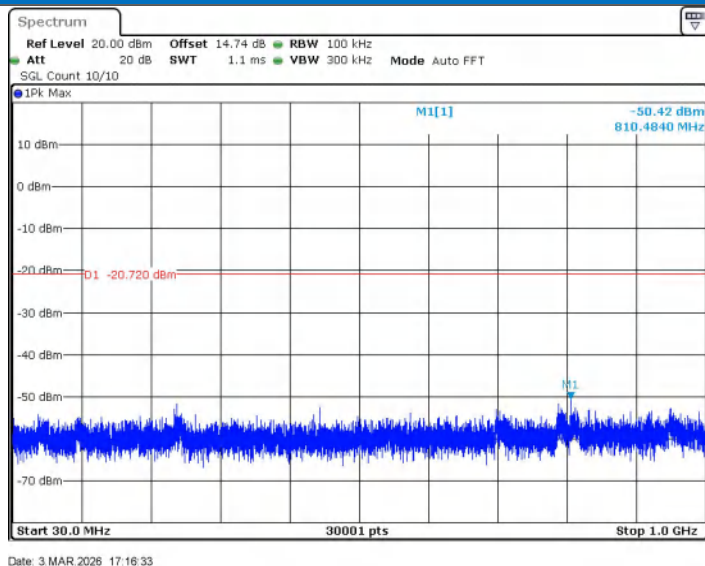
Date: 3.MAR.2026 17:01:54

11B_Ant2_2412_0~Reference

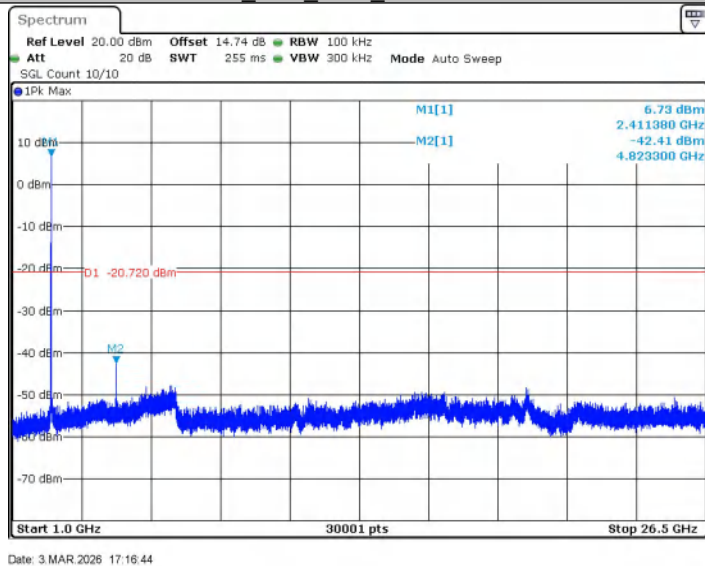


Date: 3.MAR.2026 17:16:29

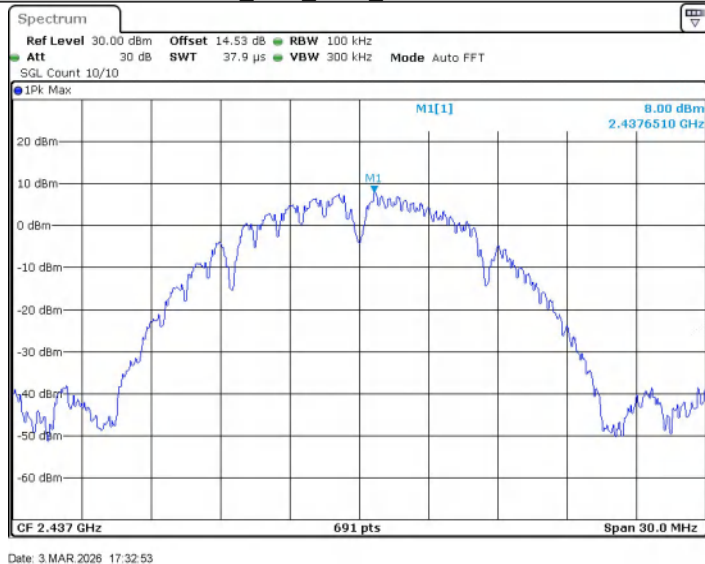
11B_Ant2_2412_30~1000



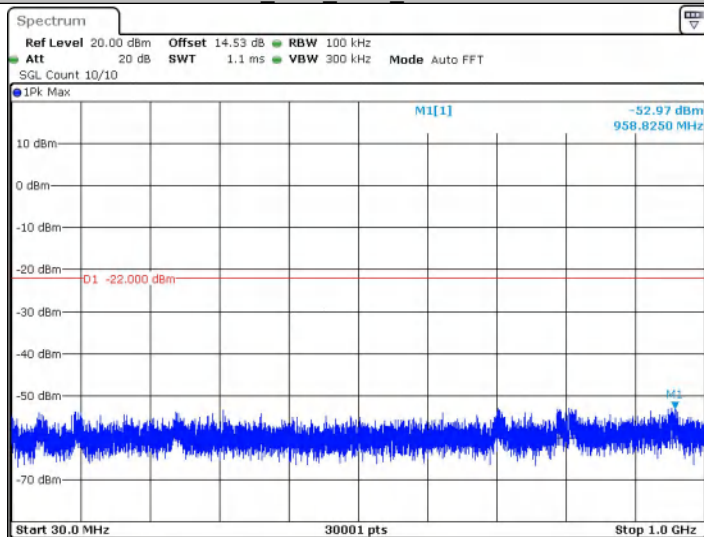
11B_Ant2_2412_1000~26500



11B_Ant2_2437_0~Reference

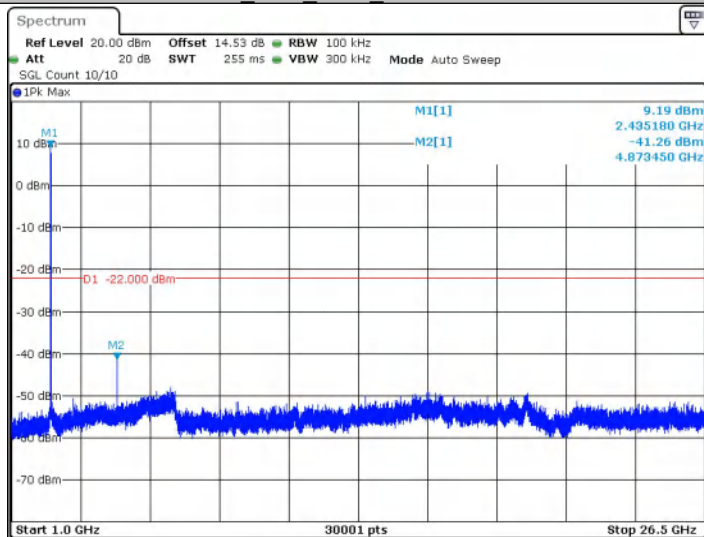


11B_Ant2_2437_30~1000



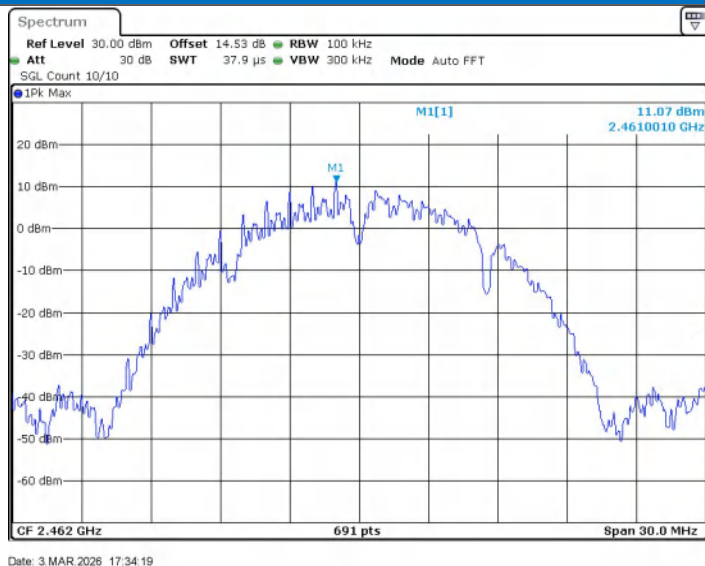
Date: 3.MAR.2026 17:32:57

11B_Ant2_2437_1000~26500

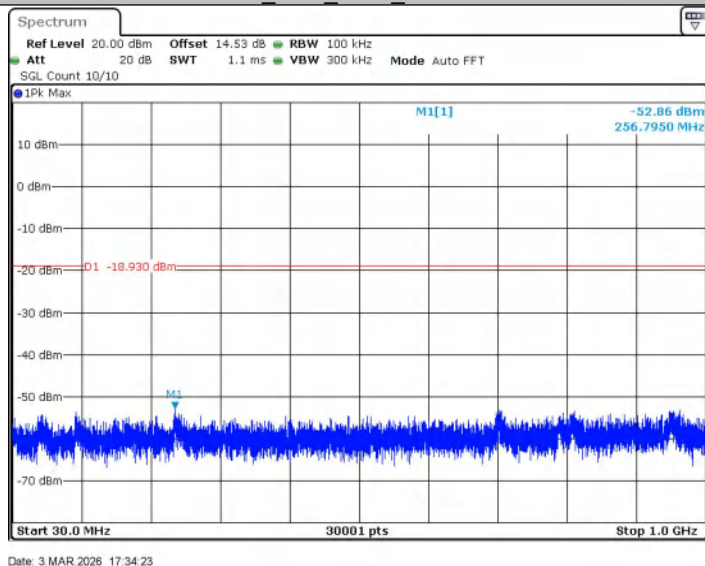


Date: 3.MAR.2026 17:33:08

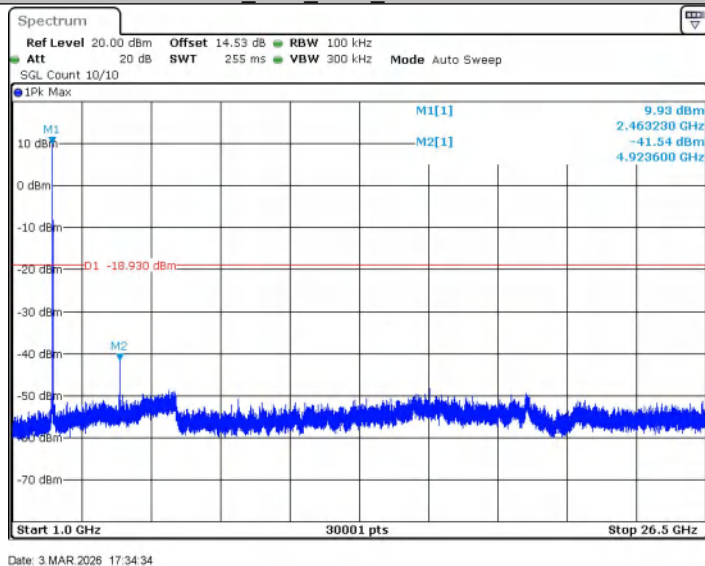
11B_Ant2_2462_0~Reference



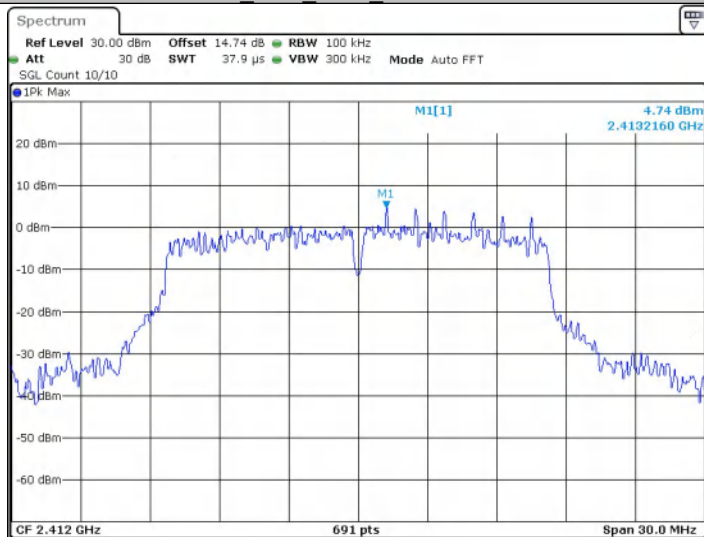
11B_Ant2_2462_30~1000



11B_Ant2_2462_1000~26500

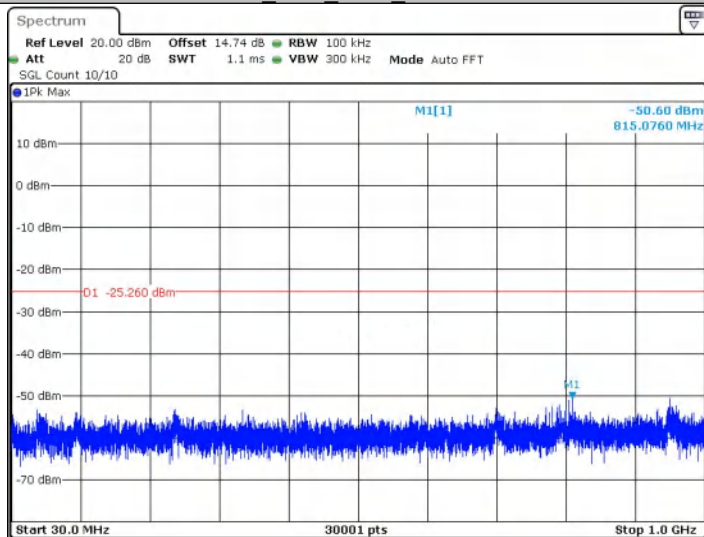


11G_Ant2_2412_0~Reference



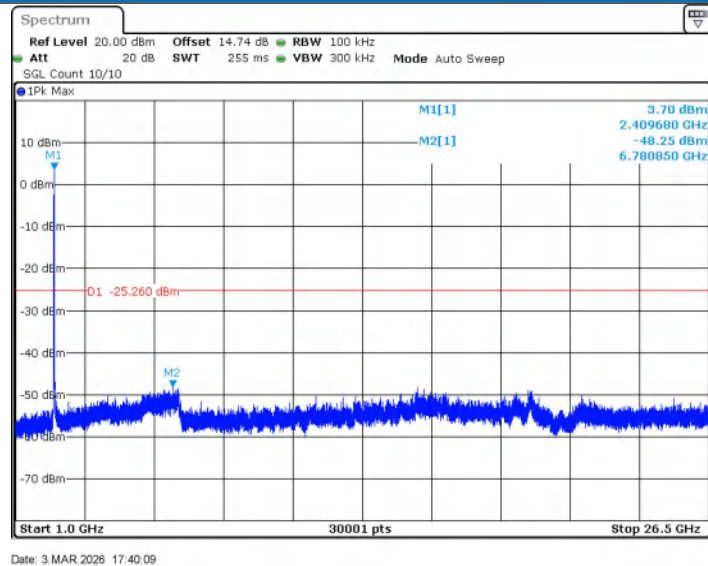
Date: 3.MAR.2026 17:39:54

11G_Ant2_2412_30~1000

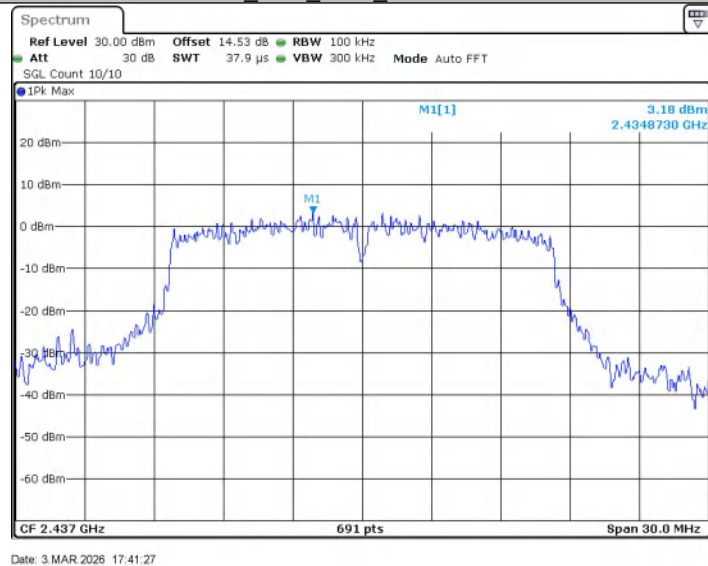


Date: 3.MAR.2026 17:39:58

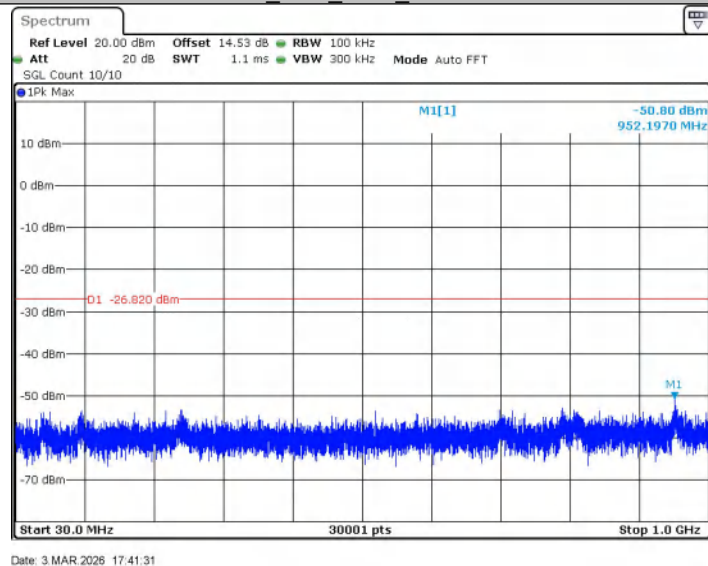
11G_Ant2_2412_1000~26500



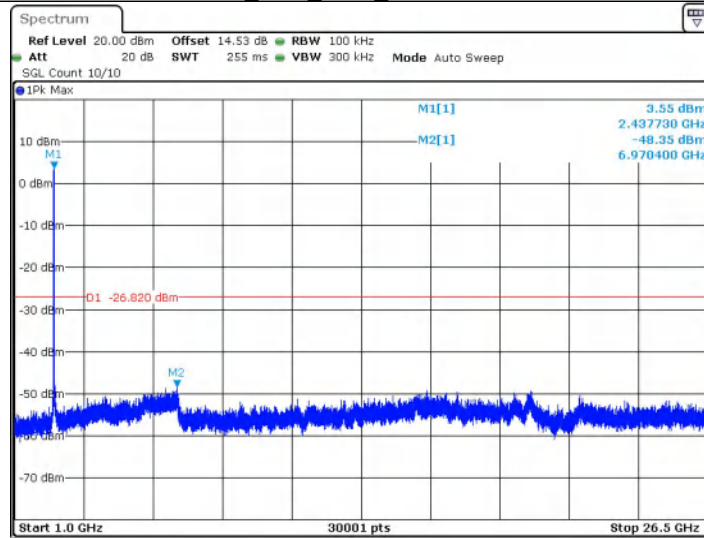
11G_Ant2_2437_0~Reference



11G_Ant2_2437_30~1000

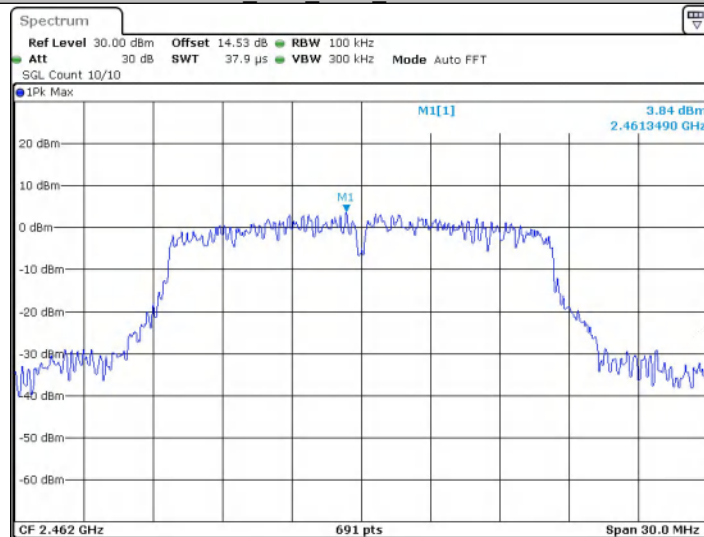


11G_Ant2_2437_1000~26500



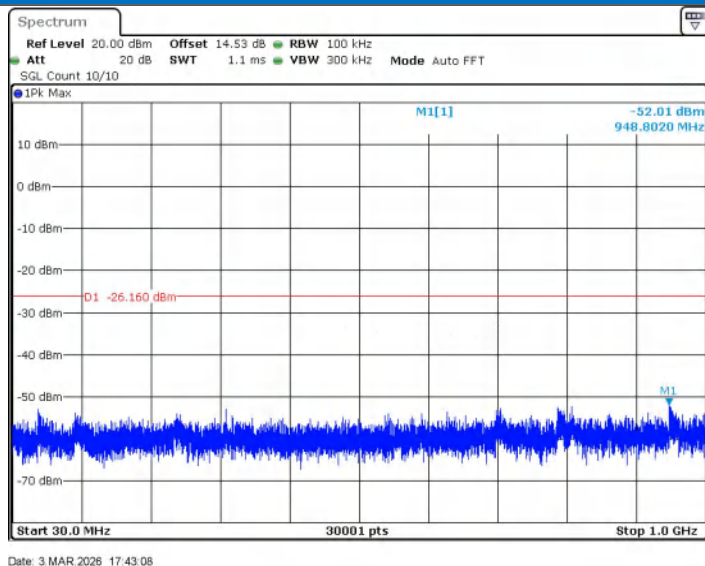
Date: 3.MAR.2026 17:41:42

11G_Ant2_2462_0~Reference

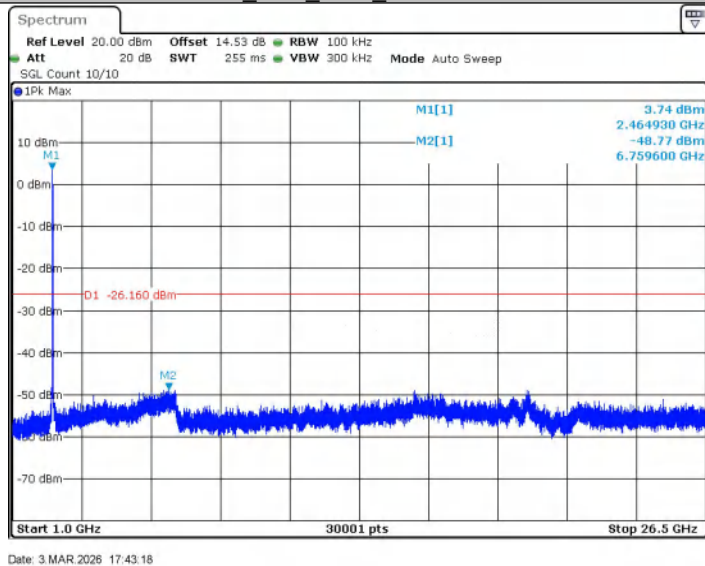


Date: 3.MAR.2026 17:43:03

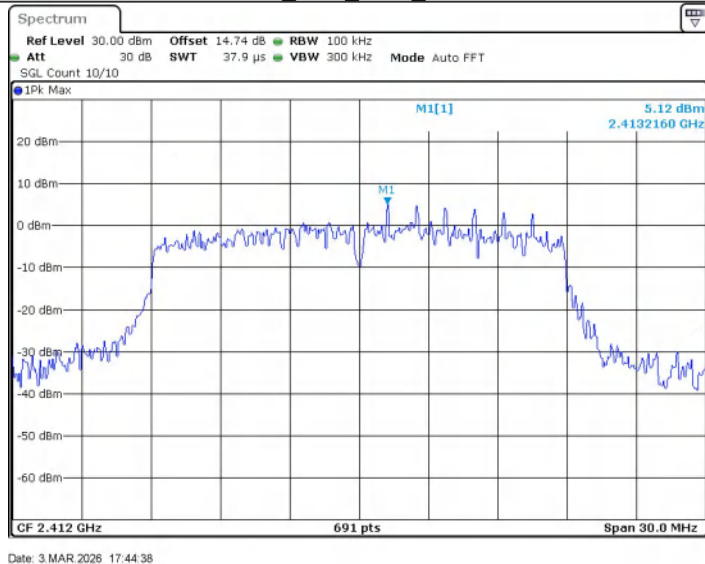
11G_Ant2_2462_30~1000



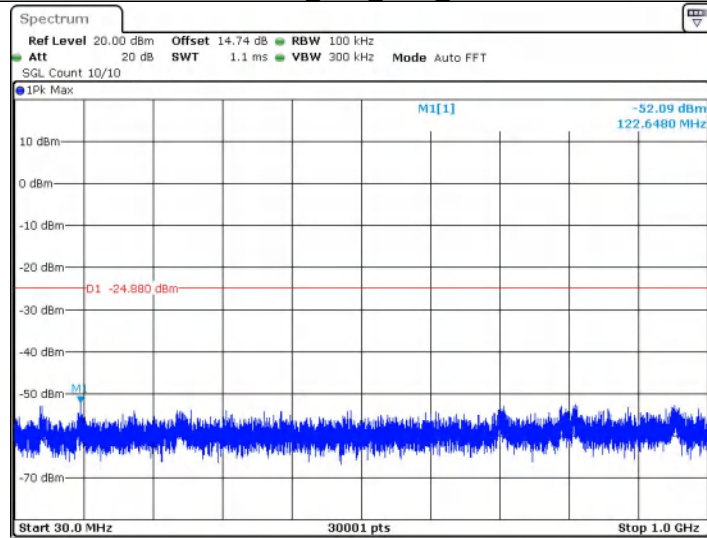
11G_Ant2_2462_1000~26500



11N20SISO_Ant2_2412_0~Reference

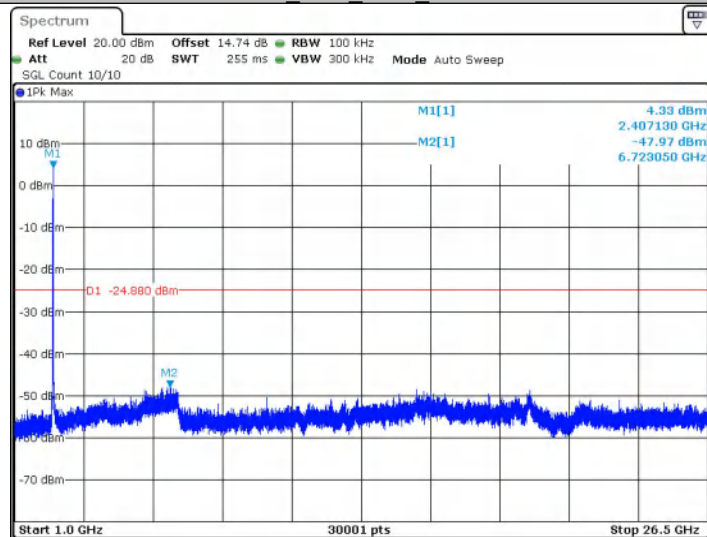


11N20SISO_Ant2_2412_30~1000



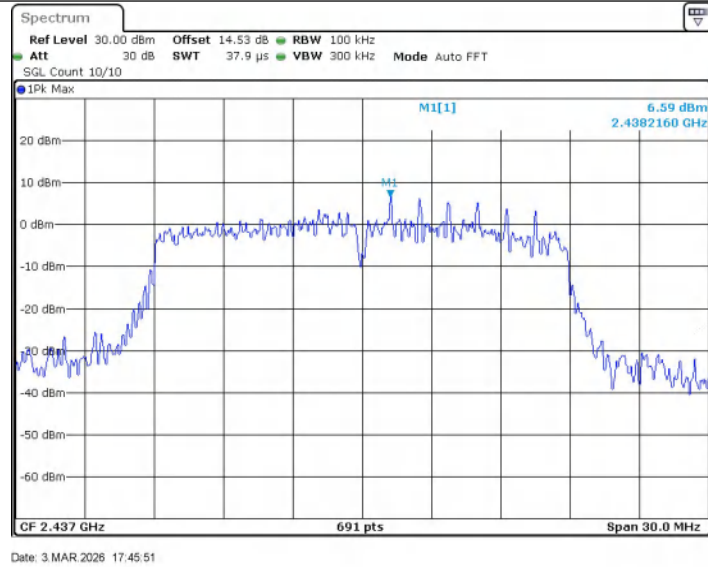
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11N20SISO_Ant2_2412_1000~26500

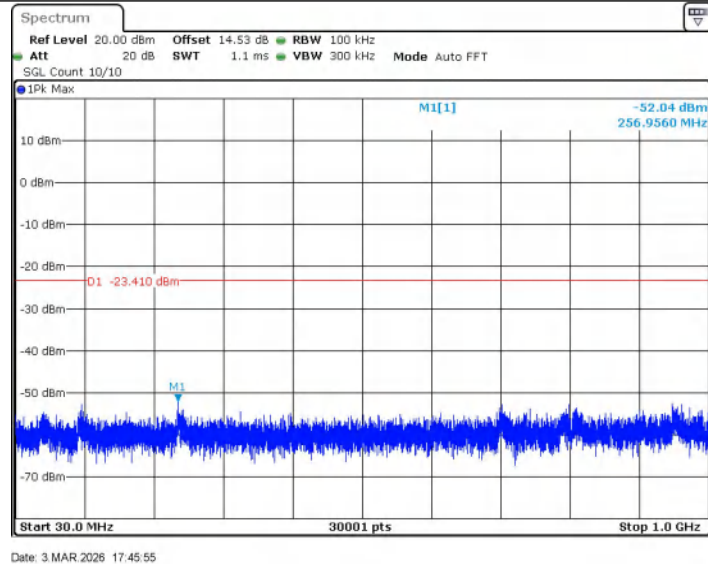


Date: 3.MAR.2026 17:44:53

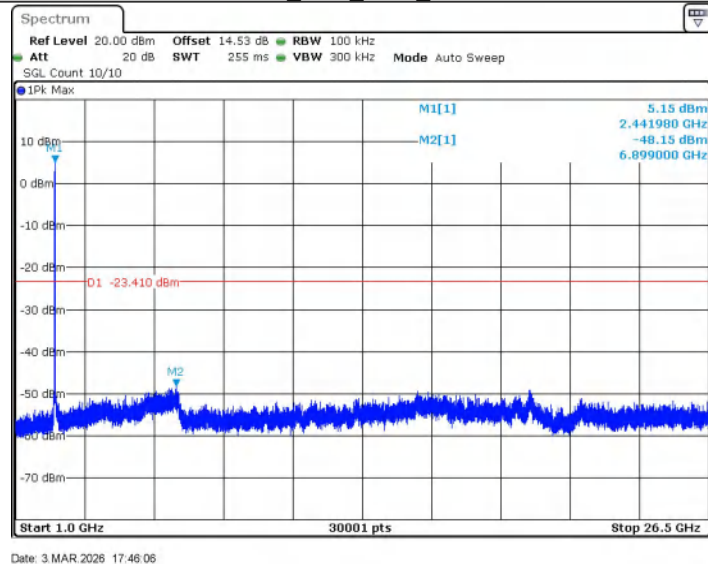
11N20SISO_Ant2_2437_0~Reference



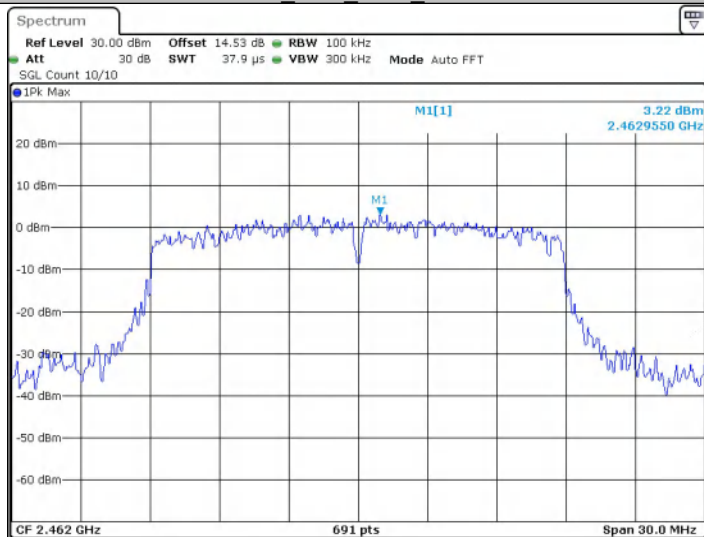
11N20SISO_Ant2_2437_30~1000



11N20SISO_Ant2_2437_1000~26500

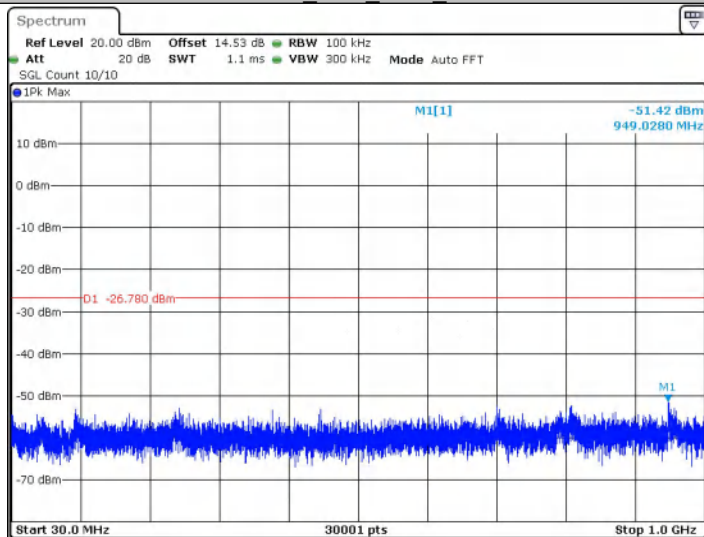


11N20SISO_Ant2_2462_0~Reference



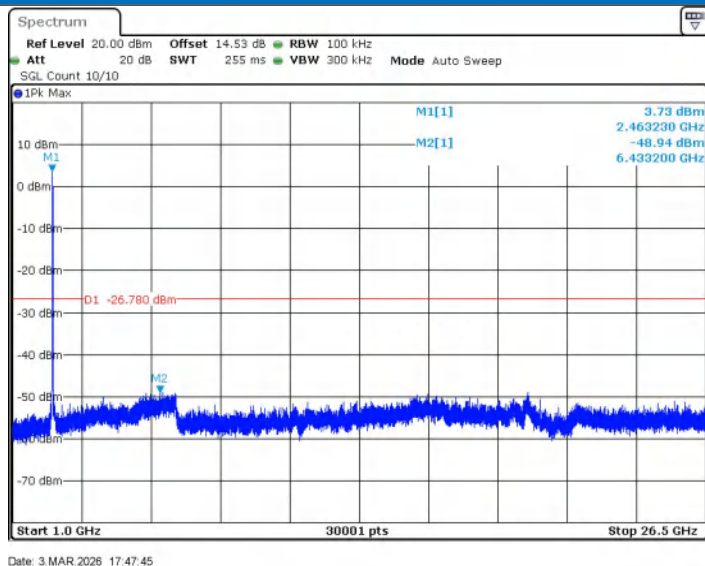
Date: 3.MAR.2026 17:47:30

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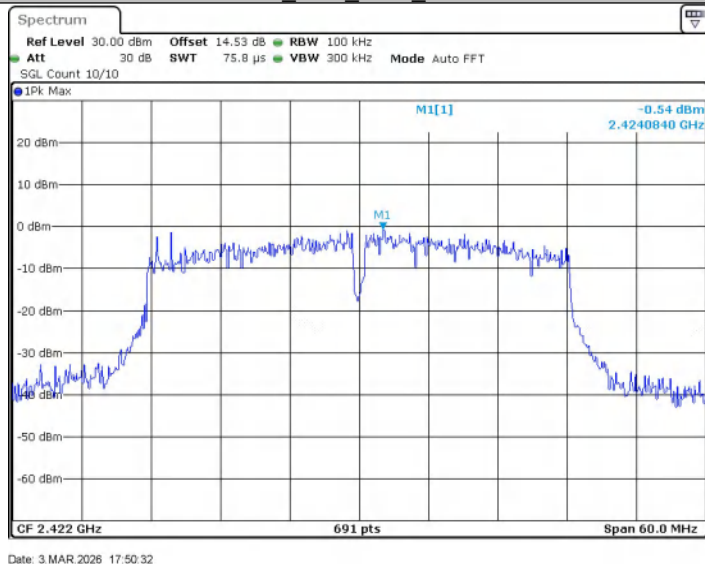


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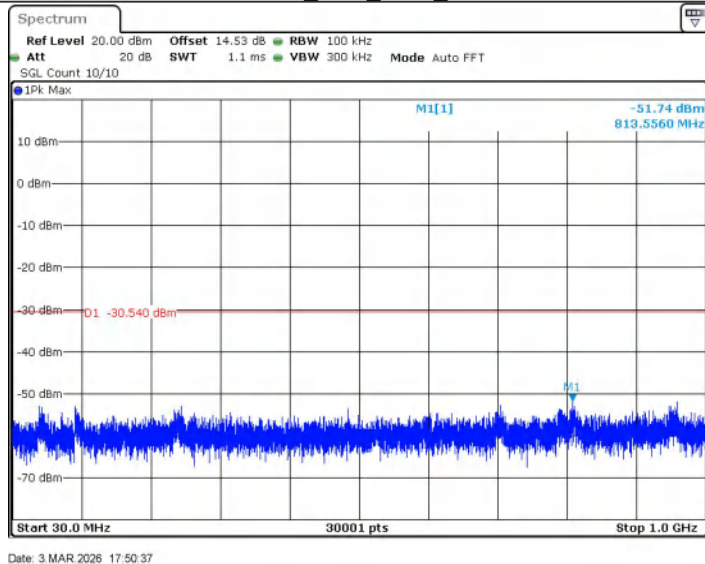
11N20SISO_Ant2_2462_1000~26500



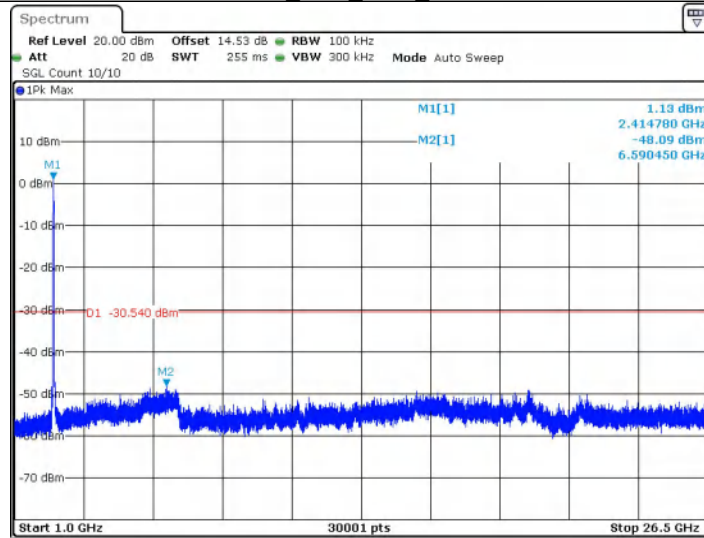
11N40SISO_Ant2_2422_0~Reference



11N40SISO_Ant2_2422_30~1000

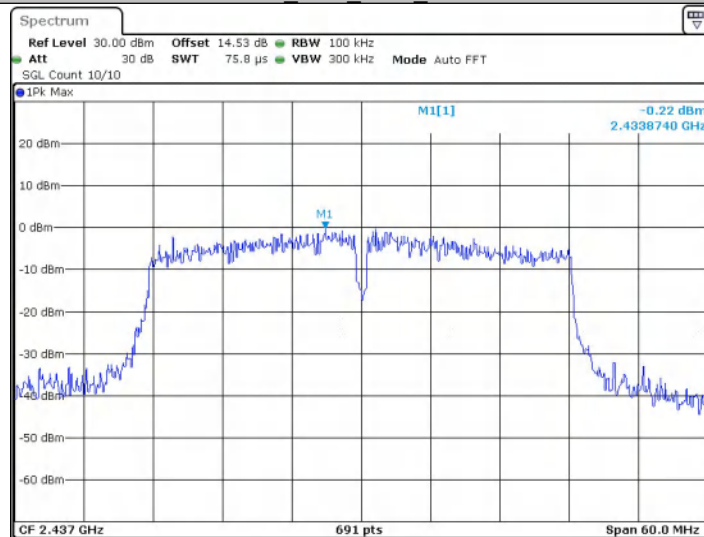


11N40SISO_Ant2_2422_1000~26500



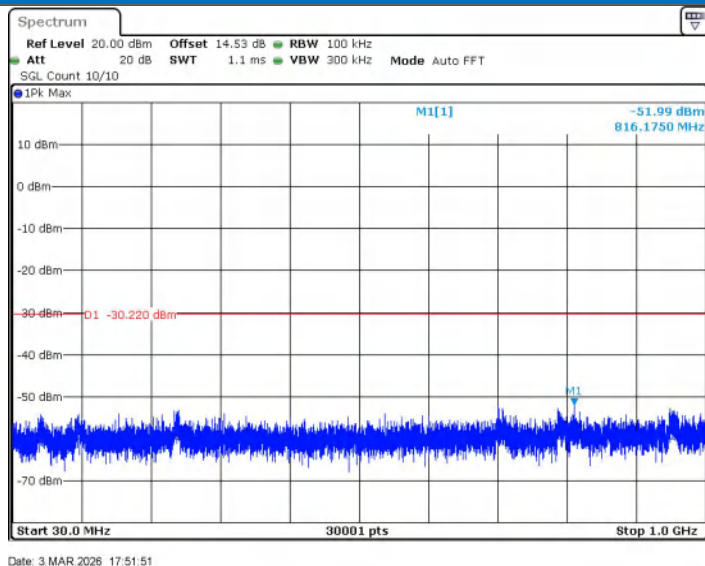
Date: 3.MAR.2026 17:50:47

11N40SISO_Ant2_2437_0~Reference

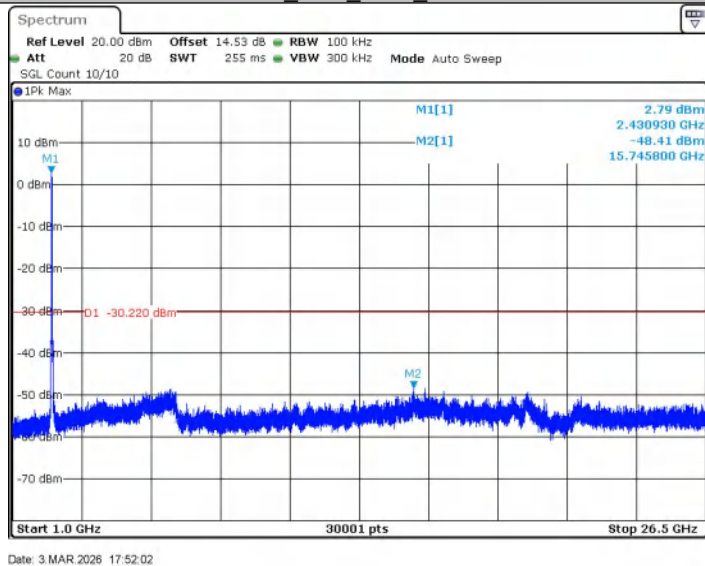


Date: 3.MAR.2026 17:51:47

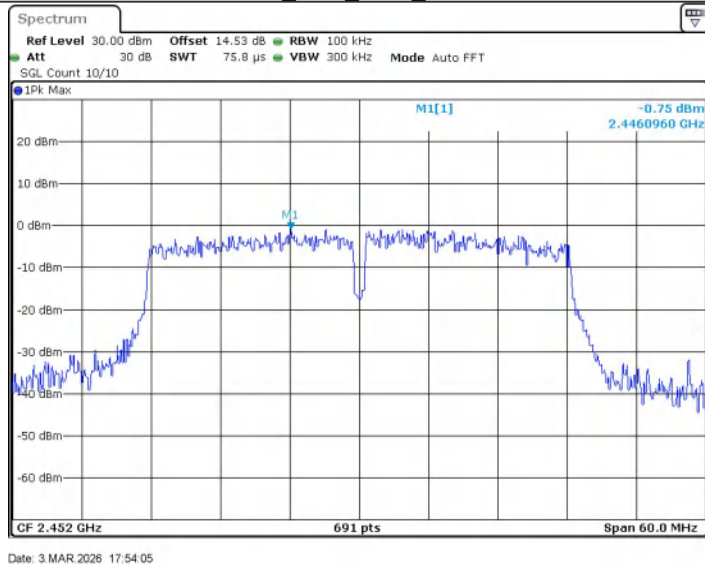
11N40SISO_Ant2_2437_30~1000



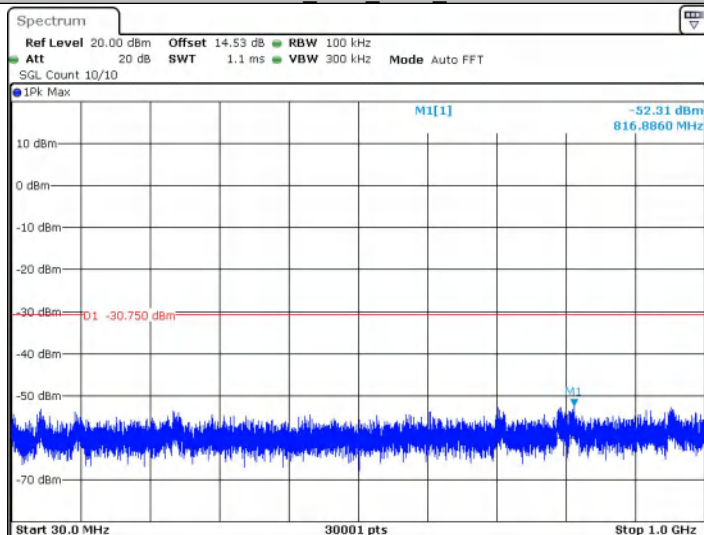
11N40SISO_Ant2_2437_1000~26500



11N40SISO_Ant2_2452_0~Reference

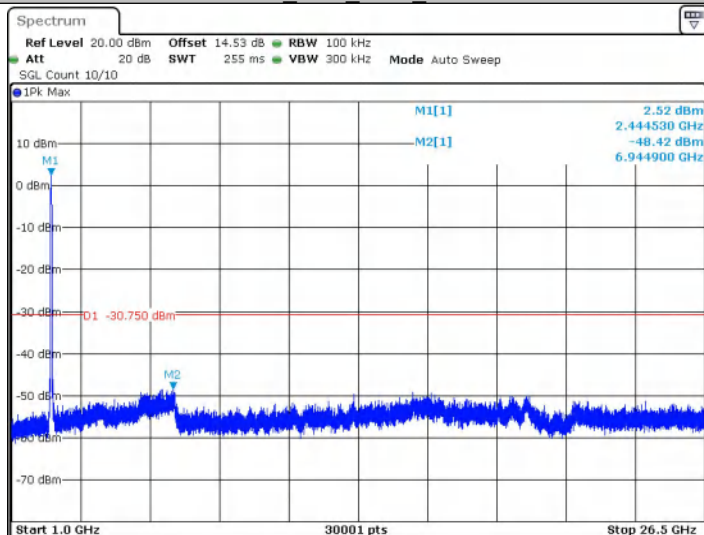


11N40SISO_Ant2_2452_30~1000



Date: 3.MAR.2026 17:54:09

11N40SISO_Ant2_2452_1000~26500



Date: 3.MAR.2026 17:54:20

Remark:

Pretest 9kHz to 25GHz, find the highest point when testing, so only the worst data were shown in the test report. Per FCC Part 15.33 (a) and 15.31 (o) ,The amplitude of spurious emissions from intentional radiators which are attenuated more than 20 dB below the permissible value need not be reported unless specifically required elsewhere in this part.

5.9 Radiated Spurious Emissions

Test Requirement:	47 CFR Part 15C Section 15.209 and 15.205				
Test Method:	ANSI C63.10 2020				
Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)				
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak
	0.009MHz-0.090MHz	Average	10kHz	30kHz	Average
	0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak
	0.110MHz-0.490MHz	Average	10kHz	30kHz	Average
	0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	30MHz-1GHz	Quasi-peak	100 kHz	300kHz	Quasi-peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
		Peak	1MHz	10Hz	Average
Limit:	Frequency	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
	0.009MHz-0.490MHz	2400/F(kHz)	-	-	300
	0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
	1.705MHz-30MHz	30	-	-	30
	30MHz-88MHz	100	40.0	Quasi-peak	3
	88MHz-216MHz	150	43.5	Quasi-peak	3
	216MHz-960MHz	200	46.0	Quasi-peak	3
	960MHz-1GHz	500	54.0	Quasi-peak	3
	Above 1GHz	500	54.0	Average	3
	Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.				

Test Setup:

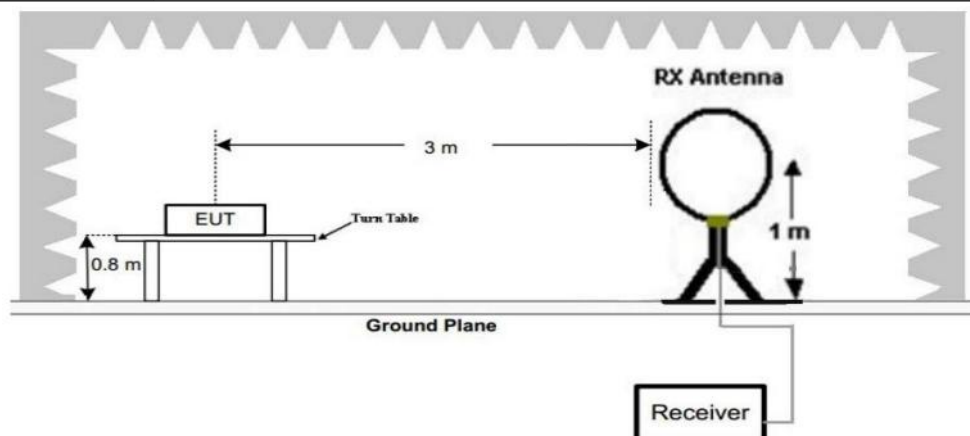


Figure 1. Below 30MHz

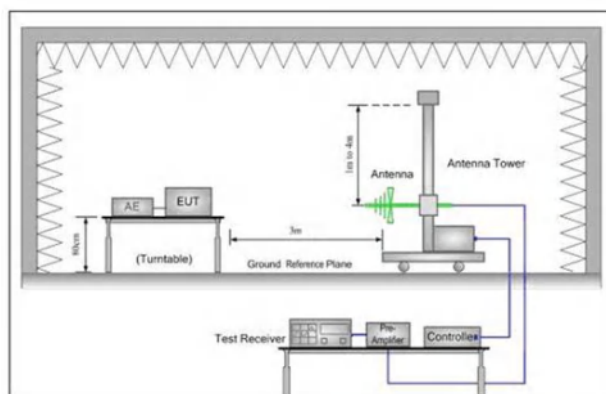


Figure 2. 30MHz to 1GHz

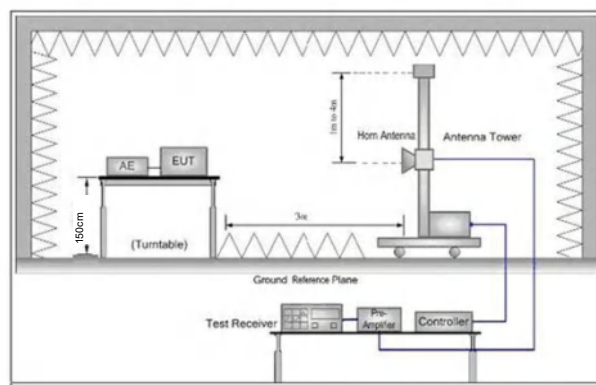


Figure 3. Above 1 GHz

Test Procedure:

- a. 1) Below 1G: The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
2) Above 1G: The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
Note: For the radiated emission test above 1GHz: Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

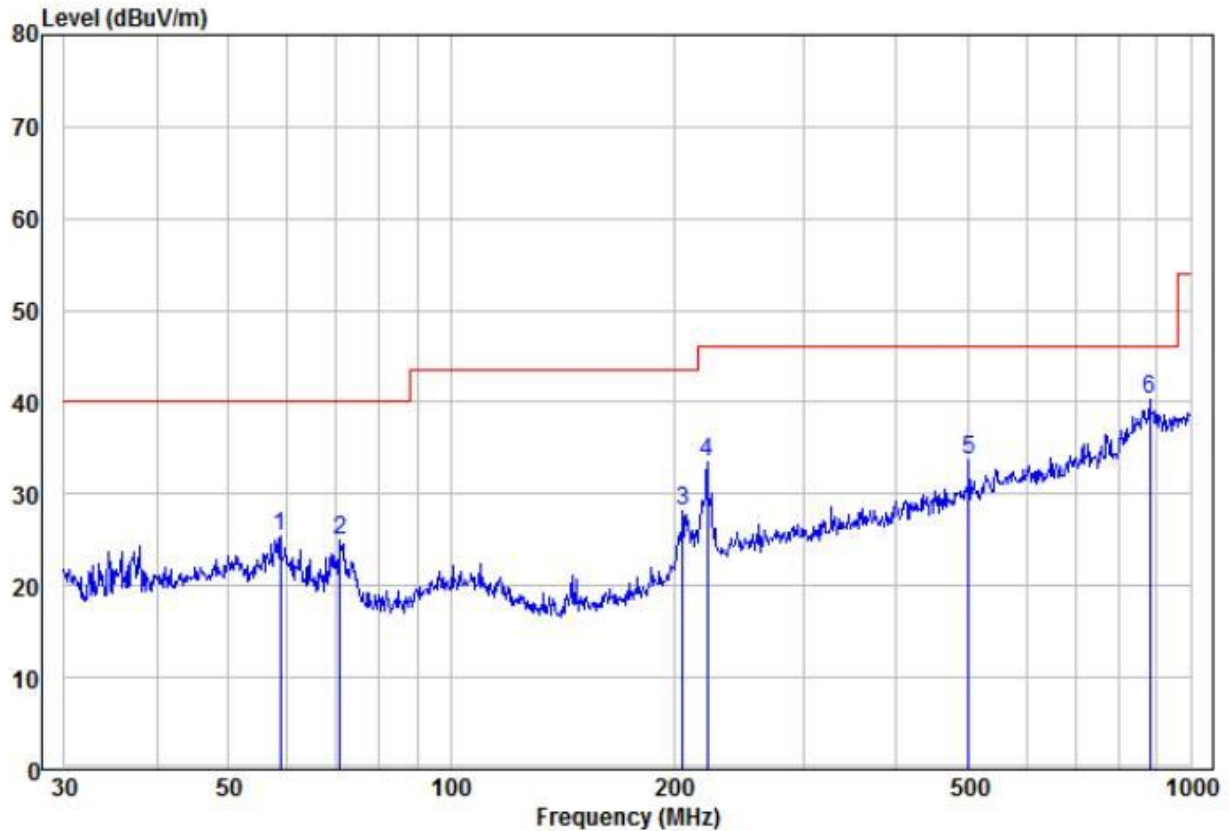
	d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. g. Test the EUT in the lowest channel, the middle channel, the Highest channel. h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the X axis positioning which it is worse case . i. Repeat above procedures until all frequencies measured was complete.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates at lowest, middle and highest channel.
Final Test Mode:	Only the worst case is recorded in the report.
Test Results:	Pass

5.9.1 Radiated emission below 1GHz

30MHz~1GHz

ANT1+ANT2:

Vertical



	Read Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase	APos	TPos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB			cm	deg
1	58.82	13.09	12.26	25.35	40.00	-14.65	Peak	VERTICAL	100	218
2	70.83	15.50	9.46	24.96	40.00	-15.04	Peak	VERTICAL	100	277
3	205.68	15.63	12.48	28.11	43.50	-15.39	Peak	VERTICAL	100	213
4	222.17	20.40	13.16	33.56	46.00	-12.44	Peak	VERTICAL	100	326
5	501.18	12.68	20.94	33.62	46.00	-12.38	Peak	VERTICAL	100	39
6 pp	881.41	11.37	28.99	40.36	46.00	-5.64	Peak	VERTICAL	100	211

Remark:

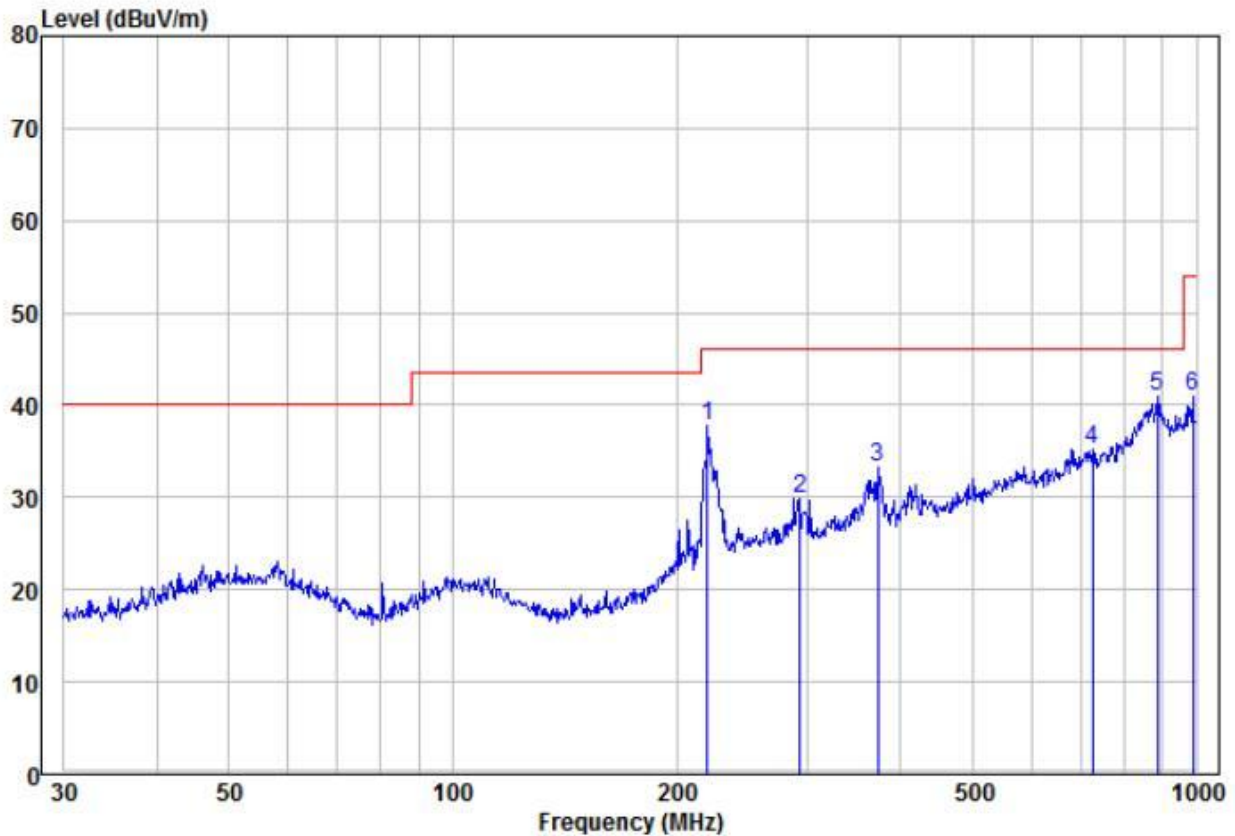
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Factor= Antenna Factor + Cable Factor – Preamplifier Factor,

Level = Read Level + Factor,

Over Limit=Level-Limit Line.

Horizontal



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase	APos	TPos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB			cm	deg
1	219.84	24.80	12.88	37.68	46.00	-8.32	Peak	HORIZONTAL	100	241
2	293.08	13.15	16.71	29.86	46.00	-16.14	Peak	HORIZONTAL	100	287
3	373.31	15.13	18.06	33.19	46.00	-12.81	Peak	HORIZONTAL	100	174
4	724.26	11.28	24.02	35.30	46.00	-10.70	Peak	HORIZONTAL	100	210
5 pp	887.61	11.80	29.09	40.89	46.00	-5.11	Peak	HORIZONTAL	100	187
6	989.54	12.68	28.24	40.92	54.00	-13.08	Peak	HORIZONTAL	100	116

Remark:

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Factor= Antenna Factor + Cable Factor – Preamplifier Factor,

Level = Read Level + Factor,

Over Limit=Level-Limit Line.

5.9.2 Transmitter emission above 1GHz

ANT1:

Test mode:		802.11b(1Mbps)		Test channel:		Lowest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4824.000	52.46	-4.26	48.20	74	-25.80	peak	H	1.5	336
4824.000	37.59	-4.26	33.33	54	-20.67	AVG	H	1.5	289
7236.000	51.38	1.18	52.56	74	-21.44	peak	H	1.5	208
7236.000	38.31	1.18	39.49	54	-14.51	AVG	H	1.5	52
4824.000	54.96	-4.26	50.70	74	-23.30	peak	V	1.5	174
4824.000	38.49	-4.26	34.23	54	-19.77	AVG	V	1.5	252
7236.000	50.66	1.18	51.84	74	-22.16	peak	V	1.5	269
7236.000	36.55	1.18	37.73	54	-16.27	AVG	V	1.5	248

Test mode:		802.11b(1Mbps)		Test channel:		Middle			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4874.000	52.09	-4.12	47.97	74	-26.03	peak	H	1.5	90
4874.000	36.42	-4.12	32.30	54	-21.70	AVG	H	1.5	99
7311.000	49.83	1.46	51.29	74	-22.71	peak	H	1.5	259
7311.000	36.60	1.46	38.06	54	-15.94	AVG	H	1.5	273
4874.000	53.22	-4.12	49.10	74	-24.90	peak	V	1.5	58
4874.000	36.82	-4.12	32.70	54	-21.30	AVG	V	1.5	300
7311.000	49.10	1.46	50.56	74	-23.44	peak	V	1.5	334
7311.000	36.35	1.46	37.81	54	-16.19	AVG	V	1.5	121

Test mode:		802.11b(1Mbps)		Test channel:		Highest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4924.000	53.07	-4.03	49.04	74	-24.96	peak	H	1.5	245
4924.000	37.10	-4.03	33.07	54	-20.93	AVG	H	1.5	124
7386.000	51.10	1.66	52.76	74	-21.24	peak	H	1.5	106
7386.000	37.19	1.66	38.85	54	-15.15	AVG	H	1.5	34
4924.000	53.70	-4.03	49.67	74	-24.33	peak	V	1.5	131
4924.000	38.79	-4.03	34.76	54	-19.24	AVG	V	1.5	231
7386.000	49.27	1.66	50.93	74	-23.07	peak	V	1.5	94
7386.000	37.58	1.66	39.24	54	-14.76	AVG	V	1.5	264

Remark:

- 1) The 1Mbps of rate of 802.11b is the worst case.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
- 3) Scan from 9kHz to 25GHz, The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

Test mode:		802.11g(6Mbps)		Test channel:		Lowest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4824.000	53.72	-4.26	49.46	74	-24.54	peak	H	1.5	287
4824.000	37.54	-4.26	33.28	54	-20.72	AVG	H	1.5	162
7236.000	51.01	1.18	52.19	74	-21.81	peak	H	1.5	106
7236.000	37.04	1.18	38.22	54	-15.78	AVG	H	1.5	252
4824.000	55.37	-4.26	51.11	74	-22.89	peak	V	1.5	265
4824.000	38.39	-4.26	34.13	54	-19.87	AVG	V	1.5	330
7236.000	51.36	1.18	52.54	74	-21.46	peak	V	1.5	346
7236.000	35.06	1.18	36.24	54	-17.76	AVG	V	1.5	137

Test mode:		802.11g(6Mbps)		Test channel:		Middle			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4874.000	52.93	-4.12	48.81	74	-25.19	peak	H	1.5	265
4874.000	37.01	-4.12	32.89	54	-21.11	AVG	H	1.5	40
7311.000	49.22	1.46	50.68	74	-23.32	peak	H	1.5	168
7311.000	36.86	1.46	38.32	54	-15.68	AVG	H	1.5	82
4874.000	52.42	-4.12	48.30	74	-25.70	peak	V	1.5	256
4874.000	37.77	-4.12	33.65	54	-20.35	AVG	V	1.5	111
7311.000	49.58	1.46	51.04	74	-22.96	peak	V	1.5	249
7311.000	35.69	1.46	37.15	54	-16.85	AVG	V	1.5	252

Test mode:		802.11g(6Mbps)		Test channel:		Highest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol. H/V	Antenna Height (m)	Table Angle (Degree)
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)				
4924.000	53.10	-4.03	49.07	74	-24.93	peak	H	1.5	241
4924.000	38.00	-4.03	33.97	54	-20.03	AVG	H	1.5	186
7386.000	49.60	1.66	51.26	74	-22.74	peak	H	1.5	54
7386.000	37.60	1.66	39.26	54	-14.74	AVG	H	1.5	185
4924.000	53.48	-4.03	49.45	74	-24.55	peak	V	1.5	287
4924.000	38.73	-4.03	34.70	54	-19.30	AVG	V	1.5	251
7386.000	51.02	1.66	52.68	74	-21.32	peak	V	1.5	293
7386.000	37.22	1.66	38.88	54	-15.12	AVG	V	1.5	313

Remark:

- 1) The 6Mbps of rate of 802.11g is the worst case.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
- 3) Scan from 9kHz to 25GHz, The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

ANT2:

Test mode:		802.11b(1Mbps)		Test channel:		Lowest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	H/V	(m)	(Degree)
4824.000	54.06	-4.26	49.80	74	-24.20	peak	H	1.5	233
4824.000	36.77	-4.26	32.51	54	-21.49	AVG	H	1.5	290
7236.000	51.17	1.18	52.35	74	-21.65	peak	H	1.5	0
7236.000	38.16	1.18	39.34	54	-14.66	AVG	H	1.5	206
4824.000	54.64	-4.26	50.38	74	-23.62	peak	V	1.5	60
4824.000	38.58	-4.26	34.32	54	-19.68	AVG	V	1.5	246
7236.000	50.53	1.18	51.71	74	-22.29	peak	V	1.5	41
7236.000	36.18	1.18	37.36	54	-16.64	AVG	V	1.5	107

Test mode:		802.11b(1Mbps)		Test channel:		Middle			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	H/V	(m)	(Degree)
4874.000	52.09	-4.12	47.97	74	-26.03	peak	H	1.5	118
4874.000	37.44	-4.12	33.32	54	-20.68	AVG	H	1.5	335
7311.000	49.49	1.46	50.95	74	-23.05	peak	H	1.5	22
7311.000	36.18	1.46	37.64	54	-16.36	AVG	H	1.5	146
4874.000	52.66	-4.12	48.54	74	-25.46	peak	V	1.5	202
4874.000	36.57	-4.12	32.45	54	-21.55	AVG	V	1.5	344
7311.000	50.18	1.46	51.64	74	-22.36	peak	V	1.5	99
7311.000	35.18	1.46	36.64	54	-17.36	AVG	V	1.5	72

Test mode:		802.11b(1Mbps)		Test channel:		Highest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4924.000	52.63	-4.03	48.60	74	-25.40	peak	H	1.5	230
4924.000	38.74	-4.03	34.71	54	-19.29	AVG	H	1.5	229
7386.000	50.66	1.66	52.32	74	-21.68	peak	H	1.5	125
7386.000	36.00	1.66	37.66	54	-16.34	AVG	H	1.5	321
4924.000	53.61	-4.03	49.58	74	-24.42	peak	V	1.5	138
4924.000	38.44	-4.03	34.41	54	-19.59	AVG	V	1.5	297
7386.000	51.23	1.66	52.89	74	-21.11	peak	V	1.5	264
7386.000	36.98	1.66	38.64	54	-15.36	AVG	V	1.5	186

Remark:

- 1) The 1Mbps of rate of 802.11b is the worst case.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
- 3) Scan from 9kHz to 25GHz, The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

Test mode:		802.11g(6Mbps)		Test channel:		Lowest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4824.000	53.54	-4.26	49.28	74	-24.72	peak	H	1.5	136
4824.000	37.03	-4.26	32.77	54	-21.23	AVG	H	1.5	10
7236.000	50.64	1.18	51.82	74	-22.18	peak	H	1.5	358
7236.000	37.93	1.18	39.11	54	-14.89	AVG	H	1.5	22
4824.000	54.86	-4.26	50.60	74	-23.40	peak	V	1.5	319
4824.000	38.20	-4.26	33.94	54	-20.06	AVG	V	1.5	316
7236.000	51.75	1.18	52.93	74	-21.07	peak	V	1.5	228
7236.000	36.92	1.18	38.10	54	-15.90	AVG	V	1.5	333

Test mode:		802.11g(6Mbps)		Test channel:		Middle			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4874.000	53.10	-4.12	48.98	74	-25.02	peak	H	1.5	22
4874.000	36.00	-4.12	31.88	54	-22.12	AVG	H	1.5	57
7311.000	50.08	1.46	51.54	74	-22.46	peak	H	1.5	291
7311.000	36.83	1.46	38.29	54	-15.71	AVG	H	1.5	231
4874.000	53.62	-4.12	49.50	74	-24.50	peak	V	1.5	71
4874.000	36.07	-4.12	31.95	54	-22.05	AVG	V	1.5	61
7311.000	49.79	1.46	51.25	74	-22.75	peak	V	1.5	174
7311.000	35.44	1.46	36.90	54	-17.10	AVG	V	1.5	227

Test mode:		802.11g(6Mbps)		Test channel:		Highest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4924.000	51.37	-4.03	47.34	74	-26.66	peak	H	1.5	208
4924.000	37.12	-4.03	33.09	54	-20.91	AVG	H	1.5	280
7386.000	50.38	1.66	52.04	74	-21.96	peak	H	1.5	328
7386.000	36.38	1.66	38.04	54	-15.96	AVG	H	1.5	300
4924.000	54.28	-4.03	50.25	74	-23.75	peak	V	1.5	145
4924.000	37.47	-4.03	33.44	54	-20.56	AVG	V	1.5	37
7386.000	50.17	1.66	51.83	74	-22.17	peak	V	1.5	203
7386.000	37.14	1.66	38.80	54	-15.20	AVG	V	1.5	332

Remark:

- 1) The 6Mbps of rate of 802.11g is the worst case.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor

- 3) Scan from 9kHz to 25GHz, The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

ANT1+ANT2:

Test mode:		802.11n20(13Mbps)		Test channel:		Lowest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4824.000	53.71	-4.26	49.45	74	-24.55	peak	H	1.5	226
4824.000	36.11	-4.26	31.85	54	-22.15	AVG	H	1.5	324
7236.000	50.80	1.18	51.98	74	-22.02	peak	H	1.5	117
7236.000	38.04	1.18	39.22	54	-14.78	AVG	H	1.5	21
4824.000	54.41	-4.26	50.15	74	-23.85	peak	V	1.5	167
4824.000	38.56	-4.26	34.30	54	-19.70	AVG	V	1.5	104
7236.000	51.44	1.18	52.62	74	-21.38	peak	V	1.5	340
7236.000	36.50	1.18	37.68	54	-16.32	AVG	V	1.5	76

Test mode:		802.11n20(13Mbps)		Test channel:		Middle			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4874.000	51.91	-4.12	47.79	74	-26.21	peak	H	1.5	345
4874.000	37.00	-4.12	32.88	54	-21.12	AVG	H	1.5	320
7311.000	49.65	1.46	51.11	74	-22.89	peak	H	1.5	275
7311.000	36.73	1.46	38.19	54	-15.81	AVG	H	1.5	165
4874.000	54.23	-4.12	50.11	74	-23.89	peak	V	1.5	228
4874.000	37.44	-4.12	33.32	54	-20.68	AVG	V	1.5	261
7311.000	49.41	1.46	50.87	74	-23.13	peak	V	1.5	304
7311.000	35.20	1.46	36.66	54	-17.34	AVG	V	1.5	97

Test mode:		802.11n20(13Mbps)		Test channel:		Highest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4924.000	51.63	-4.03	47.60	74	-26.40	peak	H	1.5	360
4924.000	37.49	-4.03	33.46	54	-20.54	AVG	H	1.5	19
7386.000	50.26	1.66	51.92	74	-22.08	peak	H	1.5	65
7386.000	37.70	1.66	39.36	54	-14.64	AVG	H	1.5	87
4924.000	53.57	-4.03	49.54	74	-24.46	peak	V	1.5	153
4924.000	38.11	-4.03	34.08	54	-19.92	AVG	V	1.5	240
7386.000	51.24	1.66	52.90	74	-21.10	peak	V	1.5	50
7386.000	37.93	1.66	39.59	54	-14.41	AVG	V	1.5	220

Remark:

- 1) The MCS0 of rate of 802.11n20 is the worst case.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
- 3) Scan from 9kHz to 25GHz, The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

Test mode:		802.11n40(27Mbps)		Test channel:		Lowest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4824.000	53.38	-4.24	49.14	74	-24.86	peak	H	1.5	302
4824.000	36.38	-4.24	32.14	54	-21.86	AVG	H	1.5	328
7236.000	51.40	1.2	52.60	74	-21.40	peak	H	1.5	97
7236.000	38.58	1.2	39.78	54	-14.22	AVG	H	1.5	99
4824.000	54.61	-4.24	50.37	74	-23.63	peak	V	1.5	324
4824.000	39.39	-4.24	35.15	54	-18.85	AVG	V	1.5	337
7236.000	50.72	1.2	51.92	74	-22.08	peak	V	1.5	220
7236.000	35.86	1.2	37.06	54	-16.94	AVG	V	1.5	240

Test mode:		802.11n40(27Mbps)		Test channel:		Middle			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4874.000	51.41	-4.12	47.29	74	-26.71	peak	H	1.5	183
4874.000	37.05	-4.12	32.93	54	-21.07	AVG	H	1.5	70
7311.000	49.66	1.46	51.12	74	-22.88	peak	H	1.5	254
7311.000	36.85	1.46	38.31	54	-15.69	AVG	H	1.5	67
4874.000	53.46	-4.12	49.34	74	-24.66	peak	V	1.5	198
4874.000	36.11	-4.12	31.99	54	-22.01	AVG	V	1.5	141
7311.000	48.44	1.46	49.90	74	-24.10	peak	V	1.5	55
7311.000	35.67	1.46	37.13	54	-16.87	AVG	V	1.5	296

Test mode:		802.11n40(27Mbps)		Test channel:		Highest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4924.000	52.84	-4.05	48.79	74	-25.21	peak	H	1.5	131
4924.000	35.98	-4.05	31.93	54	-22.07	AVG	H	1.5	173
7386.000	51.05	1.64	52.69	74	-21.31	peak	H	1.5	210
7386.000	38.03	1.64	39.67	54	-14.33	AVG	H	1.5	282
4924.000	55.00	-4.05	50.95	74	-23.05	peak	V	1.5	14
4924.000	38.37	-4.05	34.32	54	-19.68	AVG	V	1.5	306
7386.000	50.92	1.64	52.56	74	-21.44	peak	V	1.5	73
7386.000	36.19	1.64	37.83	54	-16.17	AVG	V	1.5	259

Remark:

- 1) The MCS0 of rate of 802.11n40 is the worst case.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
- 3) Scan from 9kHz to 25GHz, The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

5.10 Restricted bands around fundamental frequency

Test Requirement:	47 CFR Part 15C Section 15.209 and 15.205		
Test Method:	ANSI C63.10 2020		
Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)		
Limit:	Frequency	Limit (dBuV/m @3m)	Remark
	30MHz-88MHz	40.0	Quasi-peak Value
	88MHz-216MHz	43.5	Quasi-peak Value
	216MHz-960MHz	46.0	Quasi-peak Value
	960MHz-1GHz	54.0	Quasi-peak Value
	Above 1GHz	54.0	Average Value
		74.0	Peak Value
Test Setup:			

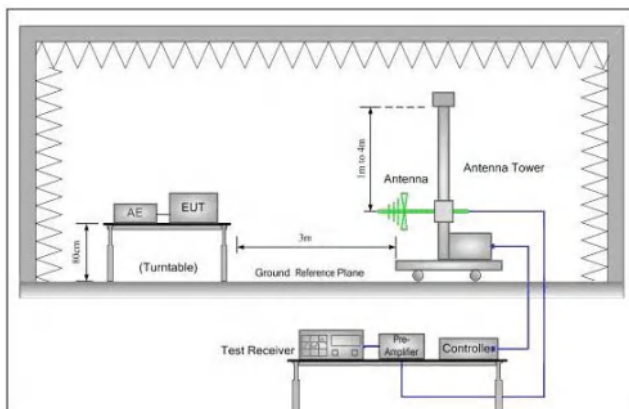


Figure 1. 30MHz to 1GHz

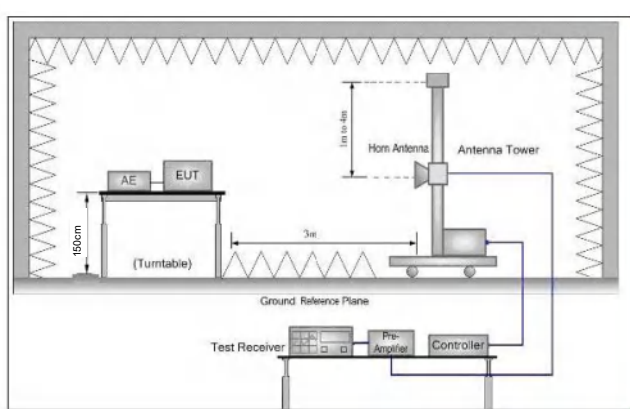


Figure 2. Above 1 GHz

Test Procedure:	a. 1) Below 1G: The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. 2) Above 1G: The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. Note: For the radiated emission test above 1GHz: Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane. b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. c. The antenna height is varied from one meter to four meters above the
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	ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. f. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel g. Test the EUT in the lowest channel, the middle channel, the Highest channel. h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the X axis positioning which it is worse case . i. Repeat above procedures until all frequencies measured was complete.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates. Transmitting mode.
Final Test Mode:	Pretest the EUT at Transmitting mode, found the Transmitting mode which it is worse case. Through Pre-scan, find the 1Mbps of rate is the worst case of 802.11b; 6Mbps of rate is the worst case of 802.11g; 6.5Mbps of rate is the worst case of 802.11n(HT20); 13.5Mbps of rate is the worst case of 802.11n(HT40). Only the worst case is recorded in the report.
Test Results:	Pass

Test data:

ANT1:

Worse case mode:		802.11b(1Mbps)		Test channel:		Lowest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	H/V	(m)	(Degree)
2390.000	58.54	-9.2	49.34	74	-24.66	peak	H	1.5	165
2390.000	44.75	-9.2	35.55	54	-18.45	AVG	H	1.5	225
2400.000	60.08	-9.39	50.69	74	-23.31	peak	H	1.5	245
2400.000	46.88	-9.39	37.49	54	-16.51	AVG	H	1.5	8
2390.000	58.57	-9.2	49.37	74	-24.63	peak	V	1.5	53
2390.000	44.28	-9.2	35.08	54	-18.92	AVG	V	1.5	33
2400.000	59.61	-9.39	50.22	74	-23.78	peak	V	1.5	356
2400.000	45.98	-9.39	36.59	54	-17.41	AVG	V	1.5	107

Worse case mode:		802.11b(1Mbps)		Test channel:		Highest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	H/V	(m)	(Degree)
2483.500	58.05	-9.29	48.76	74	-25.24	peak	H	1.5	221
2483.500	44.27	-9.29	34.98	54	-19.02	AVG	H	1.5	130
2483.500	57.85	-9.29	48.56	74	-25.44	peak	V	1.5	34
2483.500	46.12	-9.29	36.83	54	-17.17	AVG	V	1.5	163

Worse case mode:		802.11g(6Mbps)		Test channel:		Lowest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
2390.000	58.44	-9.2	49.24	74	-24.76	peak	H	1.5	96
2390.000	44.45	-9.2	35.25	54	-18.75	AVG	H	1.5	213
2400.000	59.47	-9.39	50.08	74	-23.92	peak	H	1.5	215
2400.000	46.54	-9.39	37.15	54	-16.85	AVG	H	1.5	275
2390.000	58.90	-9.2	49.70	74	-24.30	peak	V	1.5	230
2390.000	44.72	-9.2	35.52	54	-18.48	AVG	V	1.5	334
2400.000	59.59	-9.39	50.20	74	-23.80	peak	V	1.5	77
2400.000	46.43	-9.39	37.04	54	-16.96	AVG	V	1.5	1

Worse case mode:		802.11g(6Mbps)		Test channel:		Highest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
2483.500	57.57	-9.29	48.28	74	-25.72	peak	H	1.5	7
2483.500	43.96	-9.29	34.67	54	-19.33	AVG	H	1.5	305
2483.500	57.72	-9.29	48.43	74	-25.57	peak	V	1.5	254
2483.500	45.81	-9.29	36.52	54	-17.48	AVG	V	1.5	259

ANT2:

Worse case mode:		802.11b(1Mbps)		Test channel:		Lowest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	H/V	(m)	(Degree)
2390.000	58.80	-9.2	49.60	74	-24.40	peak	H	1.5	212
2390.000	44.44	-9.2	35.24	54	-18.76	AVG	H	1.5	347
2400.000	59.45	-9.39	50.06	74	-23.94	peak	H	1.5	159
2400.000	46.05	-9.39	36.66	54	-17.34	AVG	H	1.5	202
2390.000	58.33	-9.2	49.13	74	-24.87	peak	V	1.5	241
2390.000	44.85	-9.2	35.65	54	-18.35	AVG	V	1.5	268
2400.000	59.73	-9.39	50.34	74	-23.66	peak	V	1.5	155
2400.000	46.58	-9.39	37.19	54	-16.81	AVG	V	1.5	242

Worse case mode:		802.11b(1Mbps)		Test channel:		Highest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	H/V	(m)	(Degree)
2483.500	58.23	-9.29	48.94	74	-25.06	peak	H	1.5	92
2483.500	44.05	-9.29	34.76	54	-19.24	AVG	H	1.5	7
2483.500	58.36	-9.29	49.07	74	-24.93	peak	V	1.5	102
2483.500	45.56	-9.29	36.27	54	-17.73	AVG	V	1.5	37

Worse case mode:		802.11g(6Mbps)		Test channel:		Lowest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
2390.000	58.61	-9.2	49.41	74	-24.59	peak	H	1.5	230
2390.000	44.10	-9.2	34.90	54	-19.10	AVG	H	1.5	259
2400.000	59.93	-9.39	50.54	74	-23.46	peak	H	1.5	33
2400.000	46.56	-9.39	37.17	54	-16.83	AVG	H	1.5	339
2390.000	58.85	-9.2	49.65	74	-24.35	peak	V	1.5	45
2390.000	44.41	-9.2	35.21	54	-18.79	AVG	V	1.5	108
2400.000	60.21	-9.39	50.82	74	-23.18	peak	V	1.5	340
2400.000	46.66	-9.39	37.27	54	-16.73	AVG	V	1.5	187

Worse case mode:		802.11g(6Mbps)		Test channel:		Highest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
2483.500	58.21	-9.29	48.92	74	-25.08	peak	H	1.5	82
2483.500	44.22	-9.29	34.93	54	-19.07	AVG	H	1.5	33
2483.500	58.20	-9.29	48.91	74	-25.09	peak	V	1.5	124
2483.500	45.99	-9.29	36.70	54	-17.30	AVG	V	1.5	321

ANT1+ANT2:

Worse case mode:		802.11n(HT20)(13Mbps)		Test channel:		Lowest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	H/V	(m)	(Degree)
2390.000	58.60	-9.2	49.40	74	-24.60	peak	H	1.5	57
2390.000	44.29	-9.2	35.09	54	-18.91	AVG	H	1.5	263
2400.000	59.35	-9.39	49.96	74	-24.04	peak	H	1.5	190
2400.000	46.92	-9.39	37.53	54	-16.47	AVG	H	1.5	58
2390.000	59.24	-9.2	50.04	74	-23.96	peak	V	1.5	77
2390.000	44.51	-9.2	35.31	54	-18.69	AVG	V	1.5	173
2400.000	59.81	-9.39	50.42	74	-23.58	peak	V	1.5	59
2400.000	46.78	-9.39	37.39	54	-16.61	AVG	V	1.5	341

Worse case mode:		802.11n(HT20)(13Mbps)		Test channel:		Highest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	H/V	(m)	(Degree)
2483.500	58.14	-9.29	48.85	74	-25.15	peak	H	1.5	8
2483.500	44.19	-9.29	34.90	54	-19.10	AVG	H	1.5	34
2483.500	57.71	-9.29	48.42	74	-25.58	peak	V	1.5	341
2483.500	45.81	-9.29	36.52	54	-17.48	AVG	V	1.5	159

Worse case mode:		802.11n(HT40)(27Mbps)		Test channel:		Lowest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	H/V	(m)	(Degree)
2390.000	58.53	-9.2	49.33	74	-24.67	peak	H	1.5	333
2390.000	44.10	-9.2	34.90	54	-19.10	AVG	H	1.5	114
2400.000	59.56	-9.39	50.17	74	-23.83	peak	H	1.5	9
2400.000	46.02	-9.39	36.63	54	-17.37	AVG	H	1.5	83
2390.000	59.21	-9.2	50.01	74	-23.99	peak	V	1.5	57
2390.000	44.36	-9.2	35.16	54	-18.84	AVG	V	1.5	180
2400.000	60.14	-9.39	50.75	74	-23.25	peak	V	1.5	13
2400.000	46.18	-9.39	36.79	54	-17.21	AVG	V	1.5	43

Worse case mode:		802.11n(HT40)(27Mbps)		Test channel:		Highest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	H/V	(m)	(Degree)
2483.500	58.12	-9.29	48.83	74	-25.17	peak	H	1.5	47
2483.500	43.80	-9.29	34.51	54	-19.49	AVG	H	1.5	144
2483.500	57.82	-9.29	48.53	74	-25.47	peak	V	1.5	262
2483.500	46.08	-9.29	36.79	54	-17.21	AVG	V	1.5	307

Note:

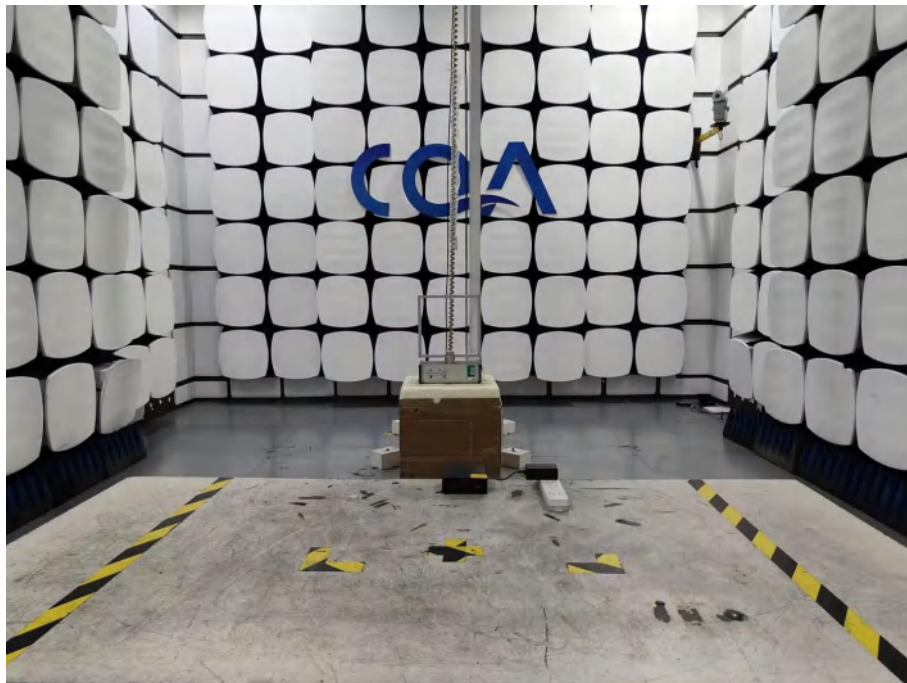
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor

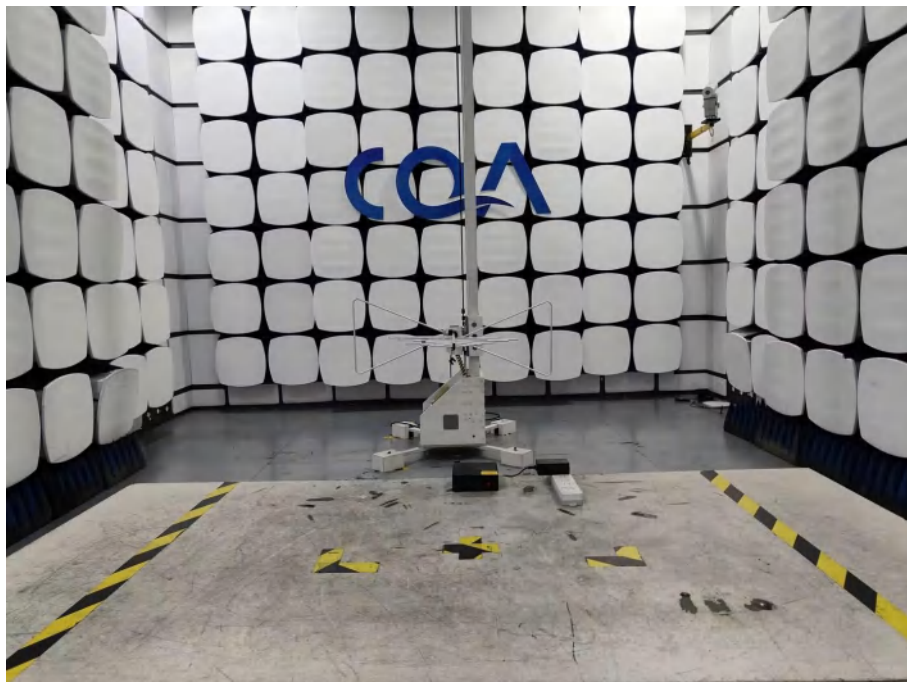
6 Photographs - EUT Test Setup

6.1 Radiated Spurious Emission

9kHz~30MHz:



30MHz~1GHz:



Above 1GHz:



6.2 Conducted Emission



7 Photographs - EUT Constructional Details

Refer to PHOTOGRAPHS OF EUT for CQASZ20260100282E-01.

*** END OF REPORT ***