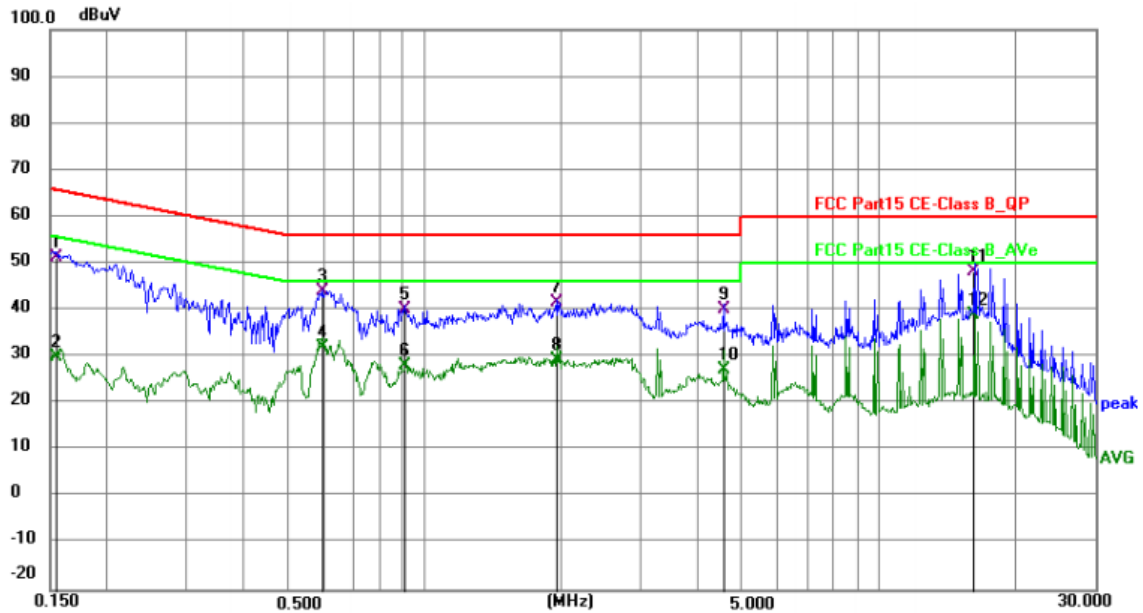


APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode	TX G Mode Channel 01	Phase	Line
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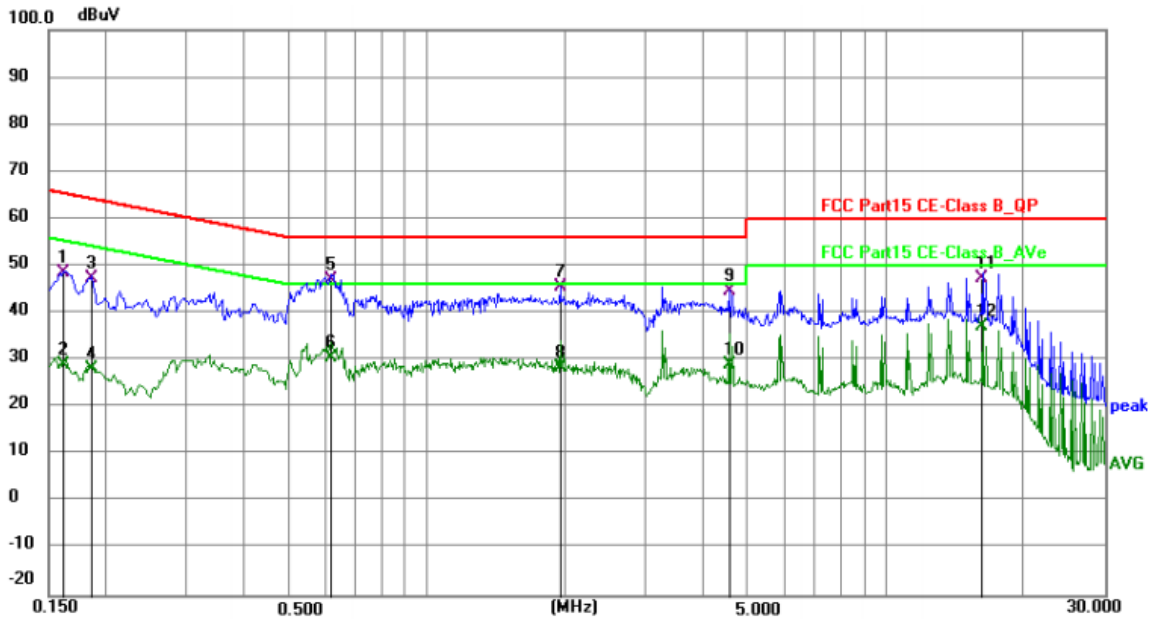


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1544	41.73	9.63	51.36	65.76	-14.40	QP	P	
2	0.1544	20.39	9.63	30.02	55.76	-25.74	AVG	P	
3	0.5955	34.39	9.62	44.01	56.00	-11.99	QP	P	
4	0.5955	22.39	9.62	32.01	46.00	-13.99	AVG	P	
5	0.9060	30.48	9.64	40.12	56.00	-15.88	QP	P	
6	0.9060	18.37	9.64	28.01	46.00	-17.99	AVG	P	
7	1.9540	32.14	9.65	41.79	56.00	-14.21	QP	P	
8	1.9540	19.67	9.65	29.32	46.00	-16.68	AVG	P	
9	4.5600	30.60	9.67	40.27	56.00	-15.73	QP	P	
10	4.5600	17.47	9.67	27.14	46.00	-18.86	AVG	P	
11	16.2959	38.64	9.75	48.39	60.00	-11.61	QP	P	
12 *	16.2959	29.35	9.75	39.10	50.00	-10.90	AVG	P	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX G Mode Channel 01	Phase	Neutral
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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1615	38.96	9.62	48.58	65.39	-16.81	QP	P	
2	0.1615	19.52	9.62	29.14	55.39	-26.25	AVG	P	
3	0.1860	37.62	9.63	47.25	64.21	-16.96	QP	P	
4	0.1860	18.38	9.63	28.01	54.21	-26.20	AVG	P	
5 *	0.6180	37.40	9.62	47.02	56.00	-8.98	QP	P	
6	0.6180	20.96	9.62	30.58	46.00	-15.42	AVG	P	
7	1.9540	35.82	9.65	45.47	56.00	-10.53	QP	P	
8	1.9540	18.88	9.65	28.53	46.00	-17.47	AVG	P	
9	4.5644	34.91	9.67	44.58	56.00	-11.42	QP	P	
10	4.5644	19.45	9.67	29.12	46.00	-16.88	AVG	P	
11	16.3002	37.48	9.77	47.25	60.00	-12.75	QP	P	
12	16.3002	27.41	9.77	37.18	50.00	-12.82	AVG	P	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

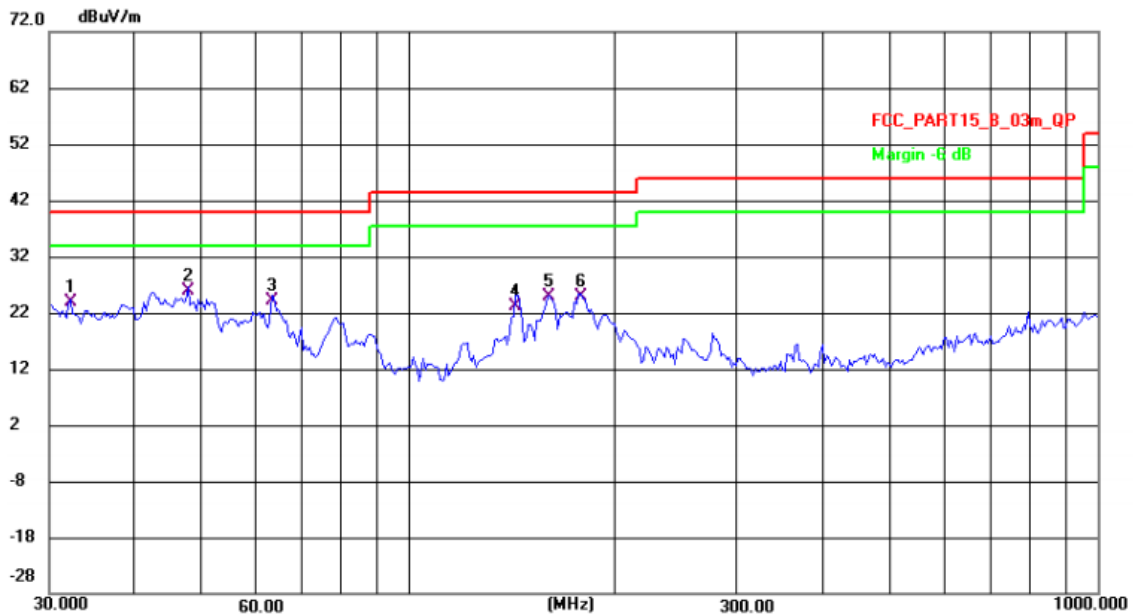
APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

Test Mode	TX G Mode Channel 01	Polarization	Vertical
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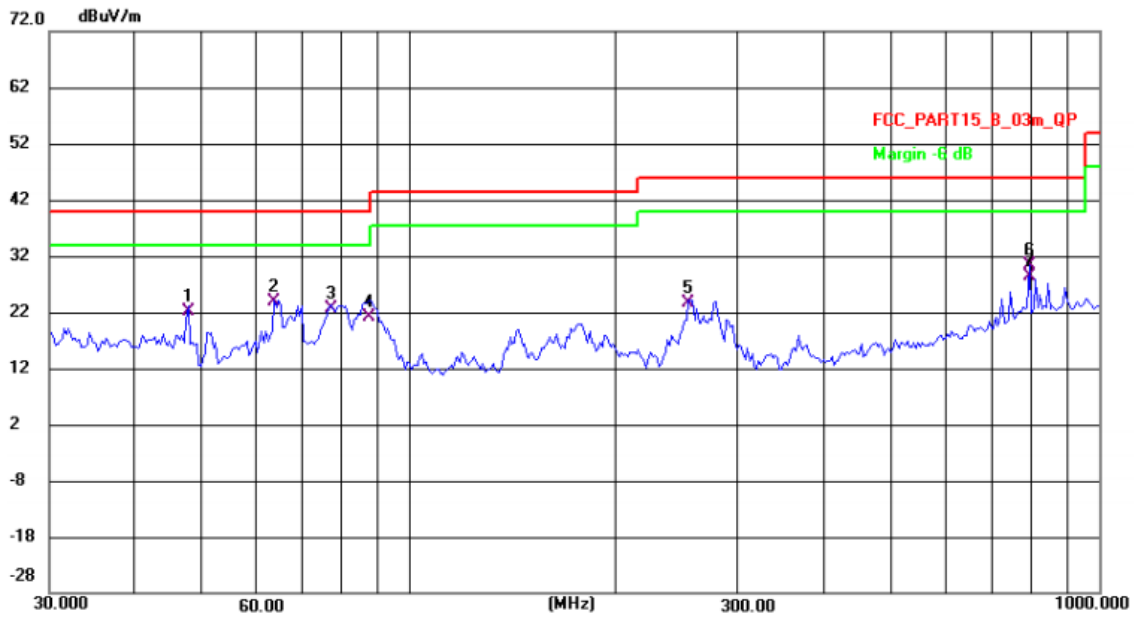


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	32.1840	44.05	-20.07	23.98	40.00	-16.02	QP
2 *	47.7028	45.33	-19.50	25.83	40.00	-14.17	QP
3	63.1856	44.87	-20.85	24.02	40.00	-15.98	QP
4	142.7691	44.15	-21.11	23.04	43.50	-20.46	QP
5	159.7581	45.61	-20.76	24.85	43.50	-18.65	QP
6	177.5175	47.24	-22.39	24.85	43.50	-18.65	QP

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX G Mode Channel 01	Polarization	Horizontal
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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	47.7028	41.51	-19.50	22.01	40.00	-17.99	QP
2	63.6311	44.76	-20.94	23.82	40.00	-16.18	QP
3	76.9252	46.08	-23.56	22.52	40.00	-17.48	QP
4	87.2980	45.36	-24.35	21.01	40.00	-18.99	QP
5	254.0312	47.24	-23.66	23.58	46.00	-22.42	QP
6 *	793.0280	40.79	-10.46	30.33	46.00	-15.67	QP
7	793.0280	38.77	-10.46	28.31	46.00	-17.69	QP

REMARKS:

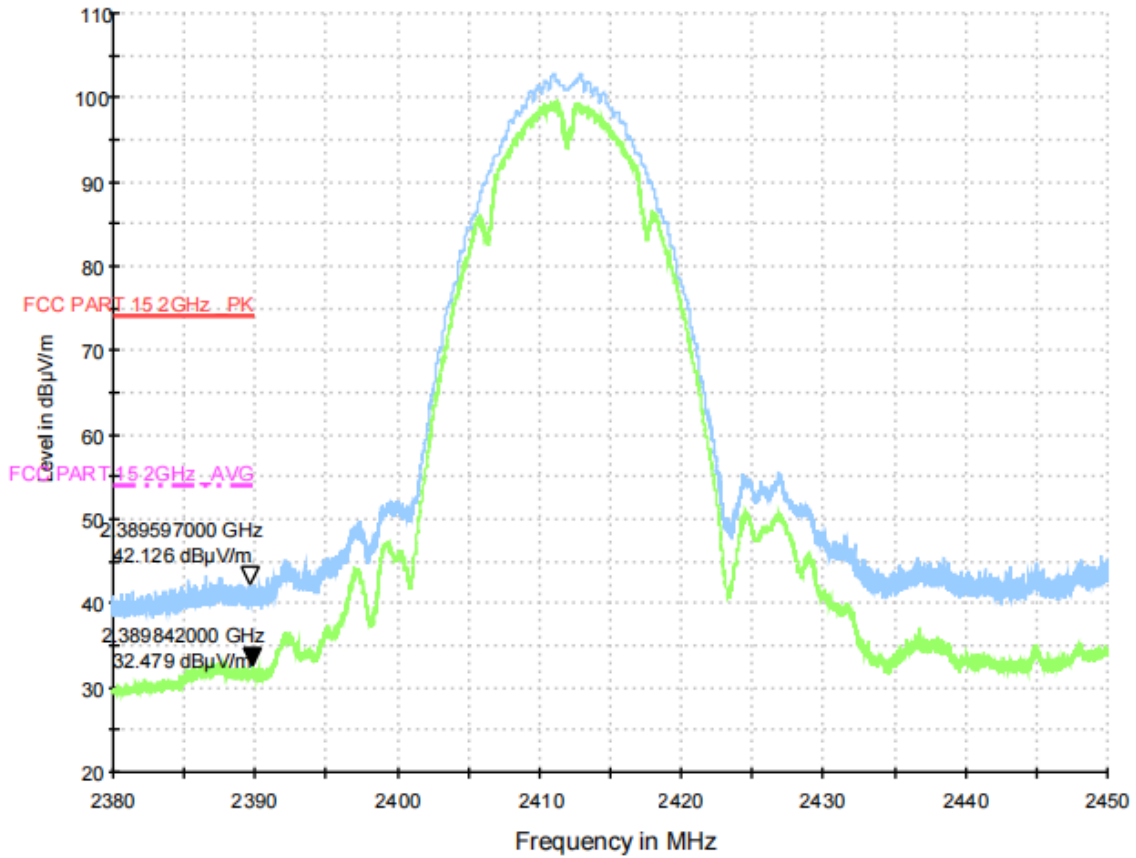
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

APPENDIX D - RADIATED EMISSION- ABOVE 1000 MHZ

Test Result of Radiated Spurious at Band edges.

Note: All test plots below include both horizontal and vertical

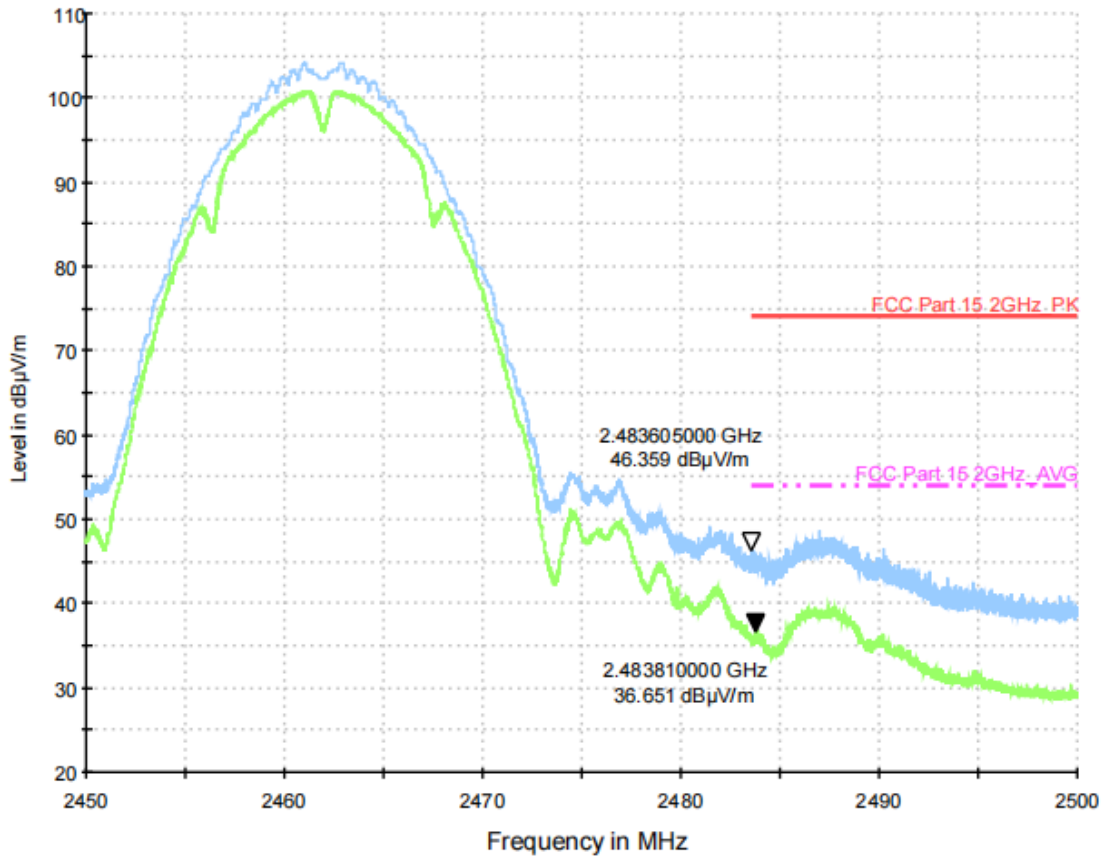
Test Mode	TX B Mode 2412 MHz	Polarization	Vertical/ Horizontal
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REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

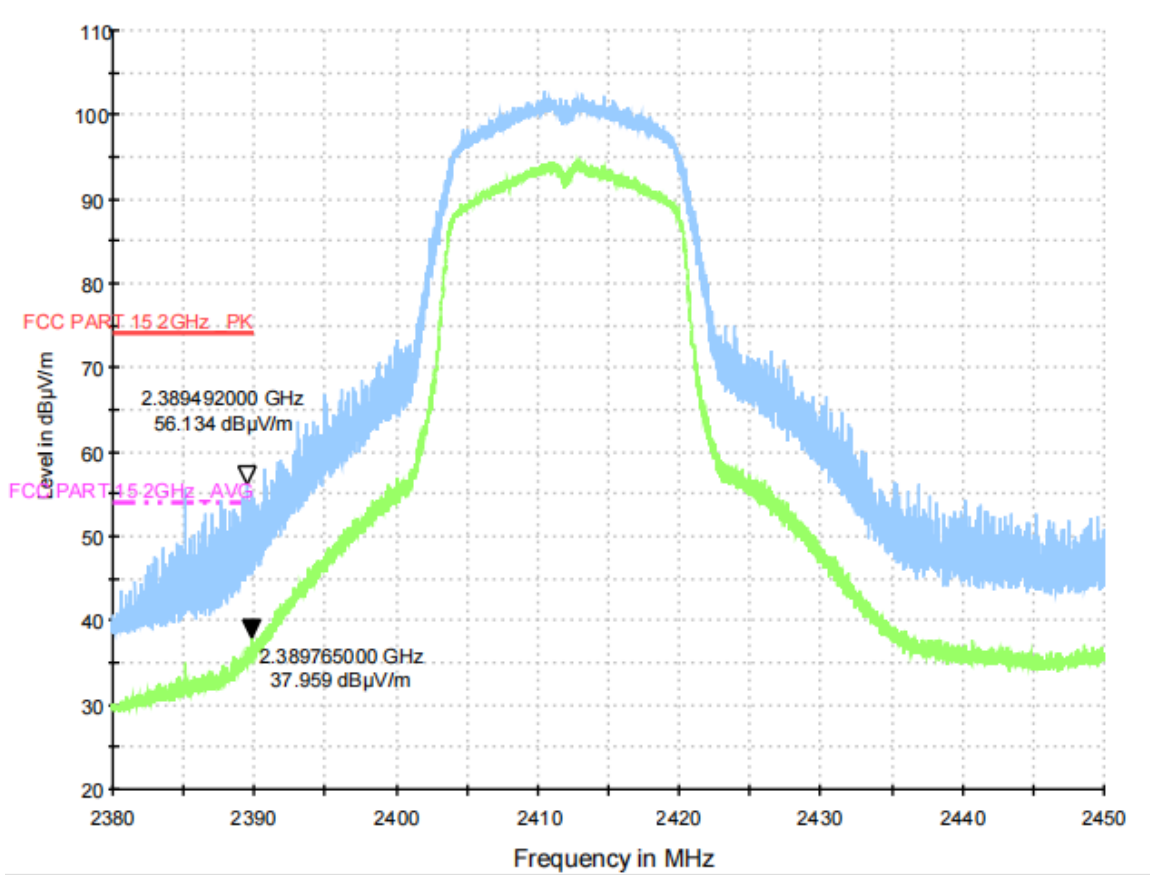
Test Mode	TX B Mode 2462 MHz	Polarization	Vertical/ Horizontal
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REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

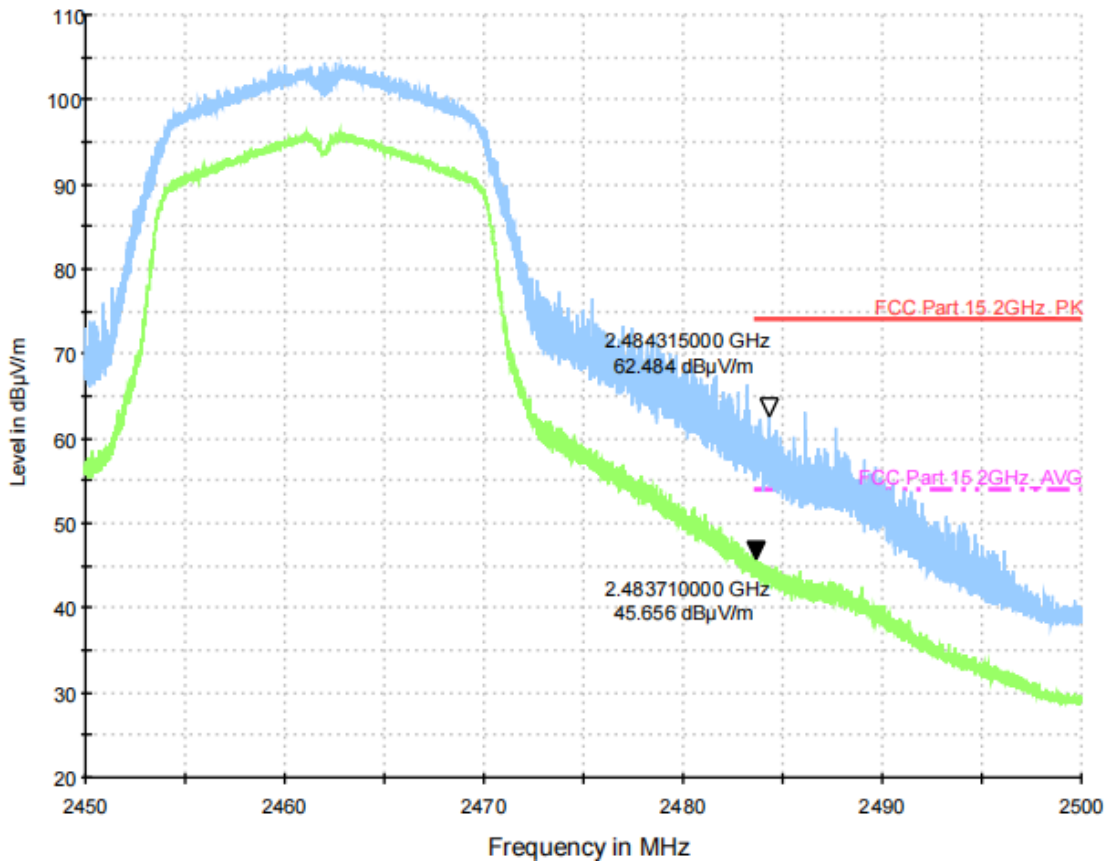
Test Mode	TX G Mode 2412 MHz	Polarization	Vertical/ Horizontal
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REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

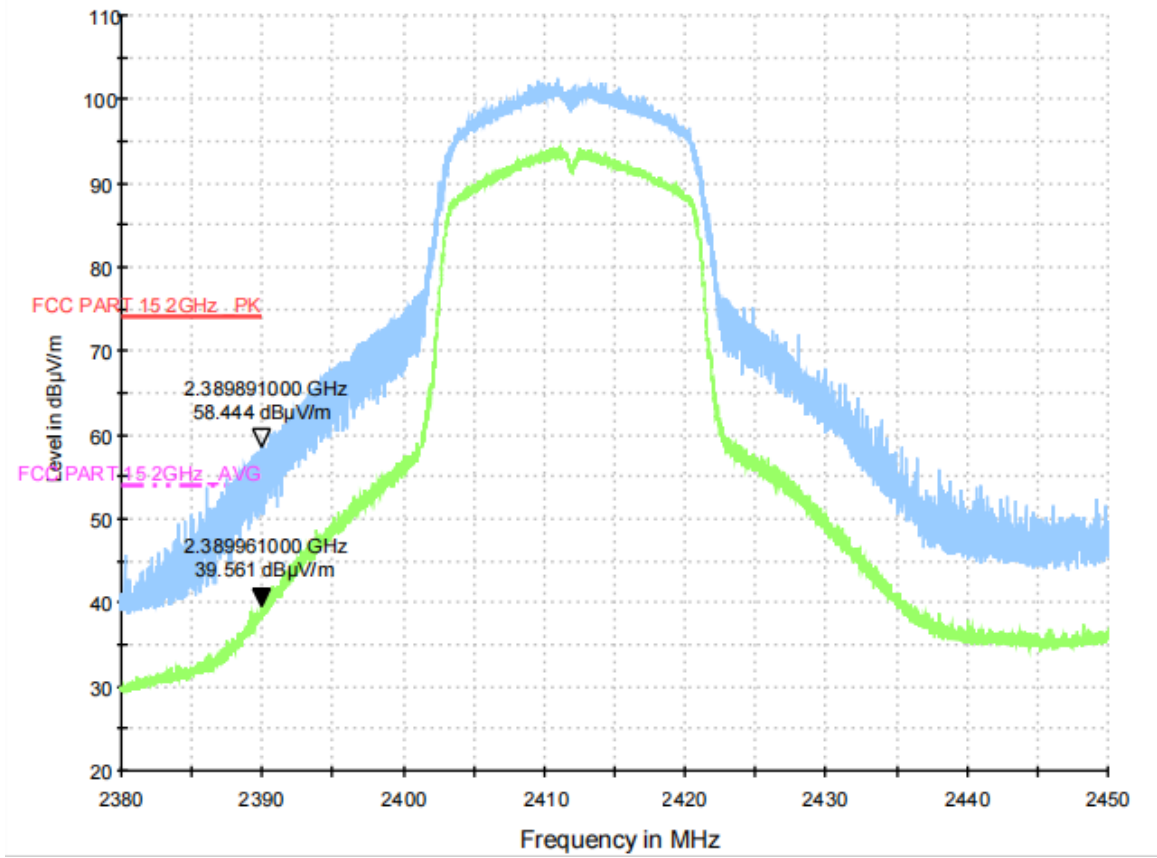
Test Mode	TX G Mode 2462 MHz	Polarization	Vertical/ Horizontal
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REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

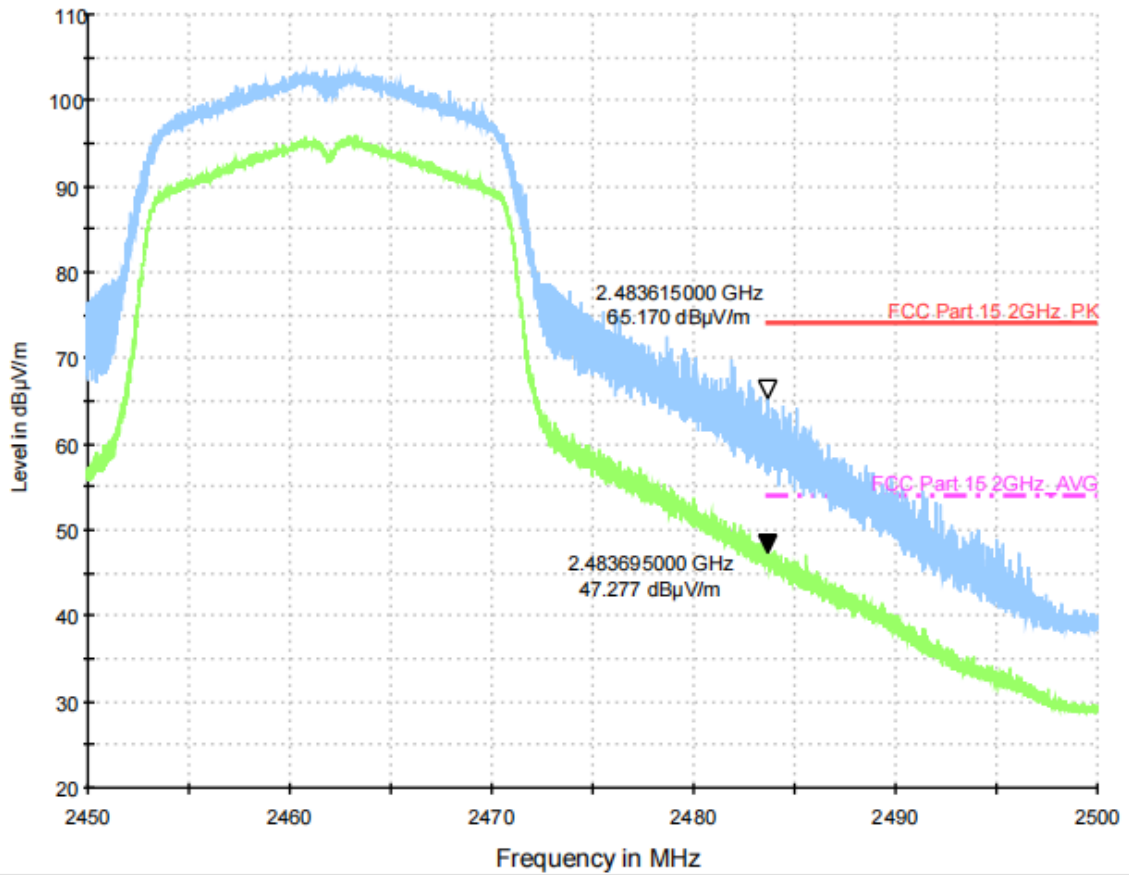
Test Mode	TX N(HT20) Mode 2412 MHz	Polarization	Vertical/ Horizontal
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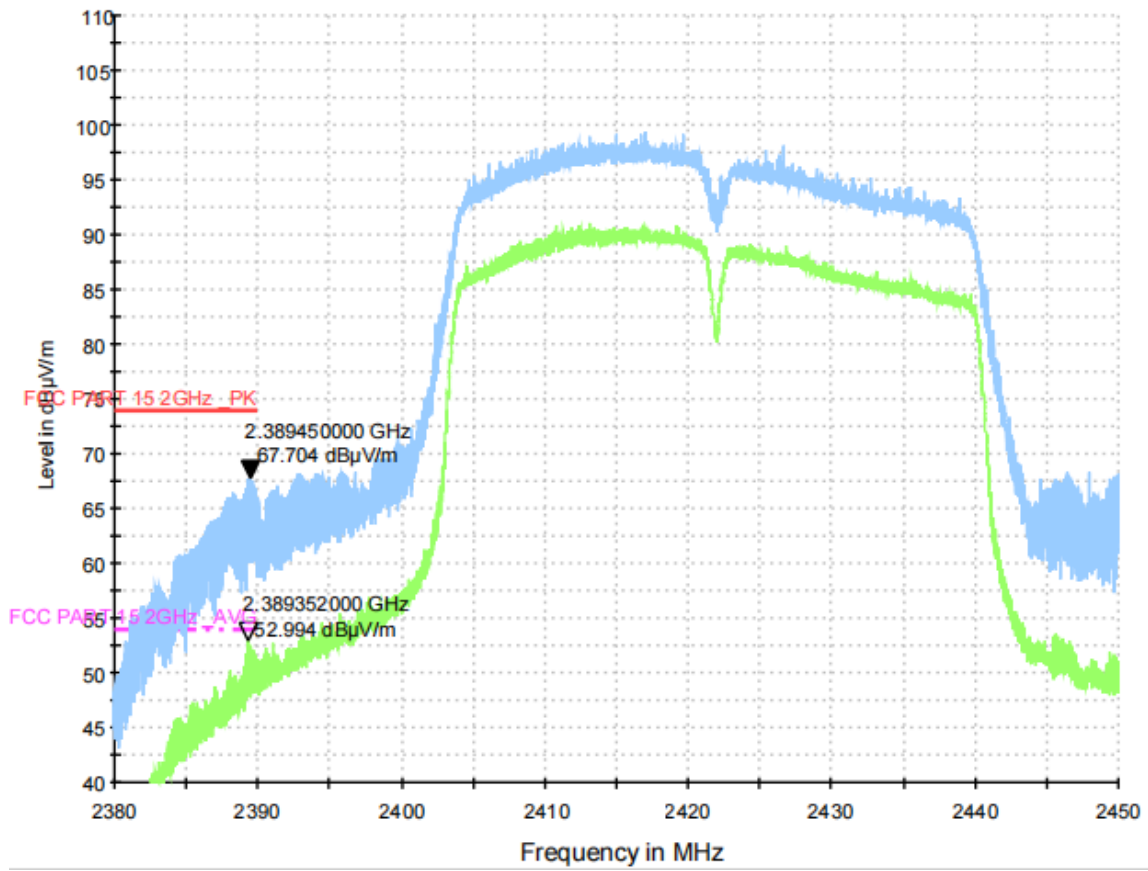
REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

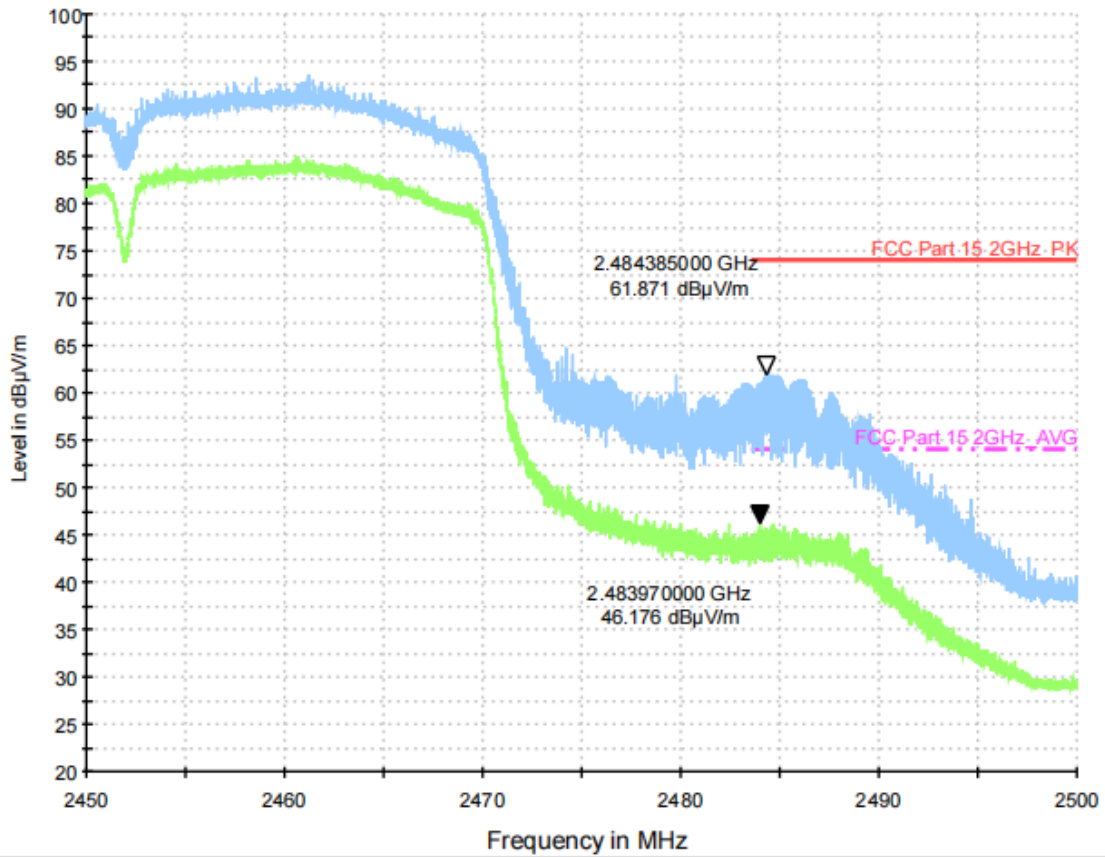
Test Mode	TX N(HT20) Mode 2462 MHz	Polarization	Vertical/ Horizontal
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Test Mode	TX N(HT40) Mode 2422 MHz	Polarization	Vertical/ Horizontal
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Test Mode	TX N(HT40) Mode 2452 MHz	Polarization	Vertical/ Horizontal
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ABOVE 1000 MHz

Note: All the modes have been tested and recorded worst mode in the report.

Modulation Type: 802.11b

Channel 1 / 2412 MHz

Frequency	Ant.Pol. H/V	Peak reading (dBuV)	AV reading (dBuV)	Correction Factor	Emission Level		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)
					Peak (dBuV/m)	AV (dBuV/m)			
4824.00	H	56.75	51.25	-1.88	54.87	49.72	74	54	-19.13
7236.00	H	41.74	---	7.80	49.54	---	74	54	-24.46
---	H	---	---	---	---	---	---	---	---
4824.00	V	54.27	---	-1.88	52.39	---	74	54	-21.61
7236.00	V	40.31	---	7.80	48.11	---	74	54	-25.89
---	V	---	---	---	---	---	---	---	---

Channel 6 / 2437 MHz

Frequency	Ant.Pol. H/V	Peak reading (dBuV)	AV reading (dBuV)	Correction Factor	Emission Level		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)
					Peak (dBuV/m)	AV (dBuV/m)			
4874.00	H	57.47	52.10	-1.59	55.88	51.34	74	54	-18.12
7311.00	H	41.56	---	8.10	49.66	---	74	54	-24.34
---	H	---	---	---	---	---	---	---	---
4874.00	V	56.21	---	-1.59	54.62	---	74	54	-19.38
7311.00	V	40.79	---	8.10	48.89	---	74	54	-25.11
---	V	---	---	---	---	---	---	---	---

Channel 11 / 2462 MHz

Frequency	Ant.Pol. H/V	Peak reading (dBuV)	AV reading (dBuV)	Correction Factor	Emission Level		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)
					Peak (dBuV/m)	AV (dBuV/m)			
4924.00	H	56.47	52.08	-1.30	55.17	50.78	74	54	-18.83
7386.00	H	42.24	---	9.00	51.24	---	74	54	-22.76
---	H	---	---	---	---	---	---	---	---
4924.00	V	54.86	---	-1.30	53.56	---	74	54	-20.44
7386.00	V	41.31	---	9.00	50.31	---	74	54	-23.69
---	V	---	---	---	---	---	---	---	---

Notes:

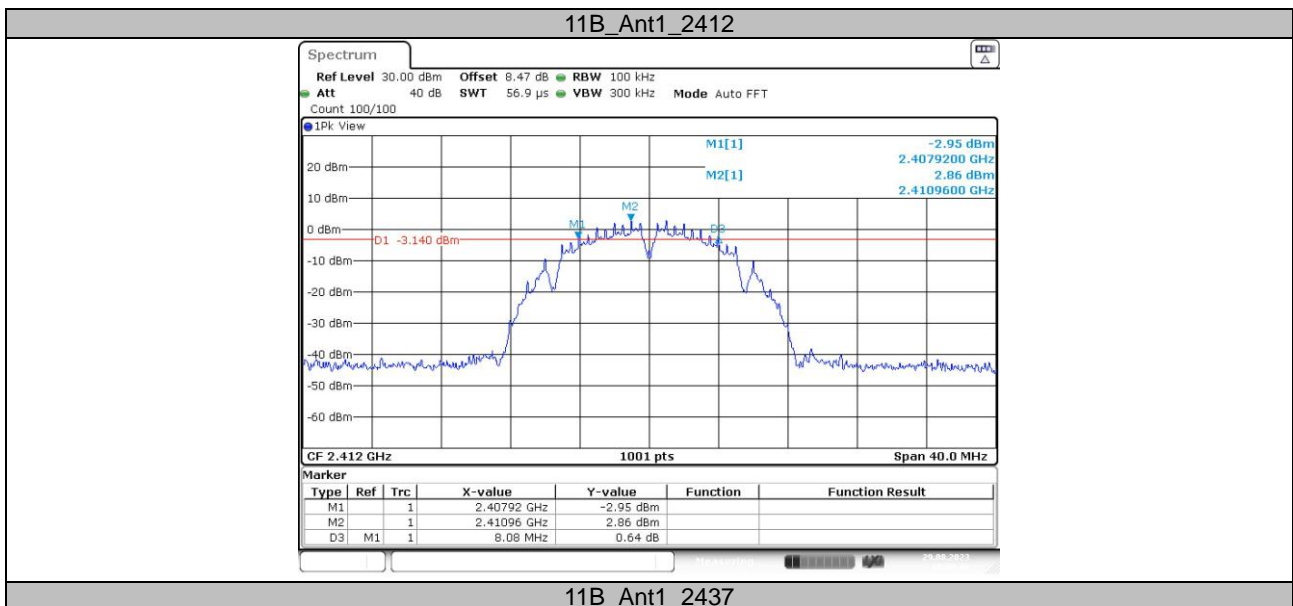
- 1). Radiated emissions measured in frequency range from 9 KHz~10th harmonic or 26.5GHz (which is less) were made with an instrument using Peak detector mode.
- 2). Data of measurement within this frequency range shown "----" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 3). Worst case data at 1Mbps at IEEE 802.11b.
- 4). Measured Level = Reading Level + Factor, Margin = Measured Level – Limit

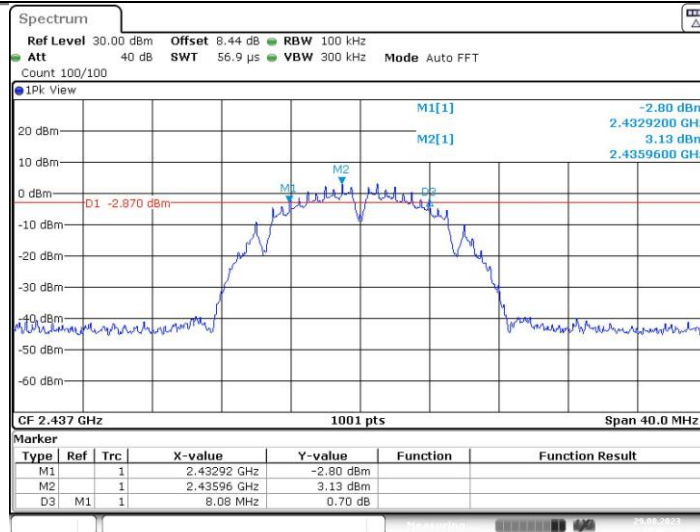
APPENDIX E - BANDWIDTH

1. DTS Bandwidth

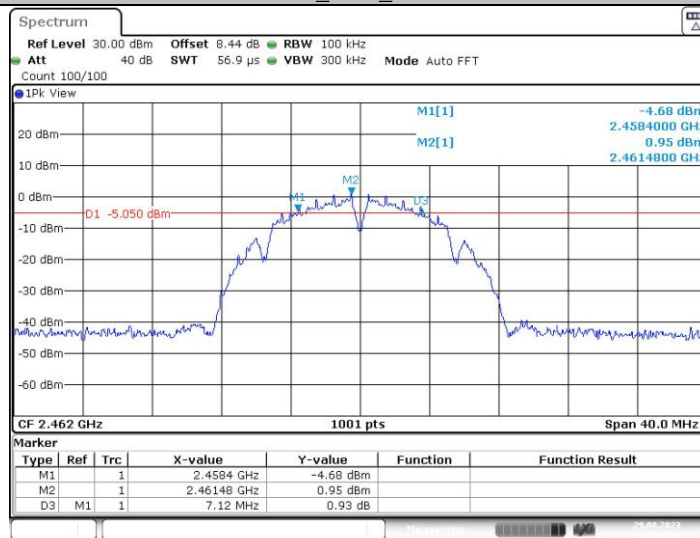
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.08	2407.92	2416.00	0.5	PASS
		2437	8.08	2432.92	2441.00	0.5	PASS
		2462	7.12	2458.40	2465.52	0.5	PASS
11G	Ant1	2412	16.60	2403.68	2420.28	0.5	PASS
		2437	16.36	2428.80	2445.16	0.5	PASS
		2462	16.60	2453.68	2470.28	0.5	PASS
11N20SISO	Ant1	2412	17.64	2403.12	2420.76	0.5	PASS
		2437	17.60	2428.16	2445.76	0.5	PASS
		2462	17.72	2453.08	2470.80	0.5	PASS
11N40SISO	Ant1	2422	36.56	2403.68	2440.24	0.5	PASS
		2437	36.40	2418.76	2455.16	0.5	PASS
		2452	36.56	2433.68	2470.24	0.5	PASS

Test Graphs

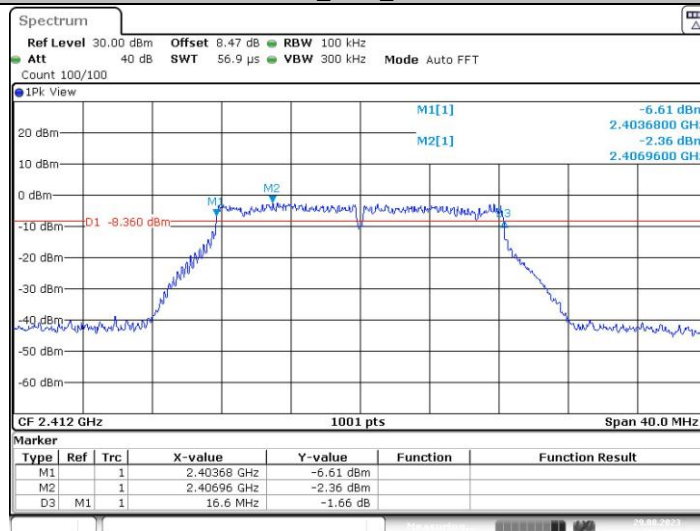




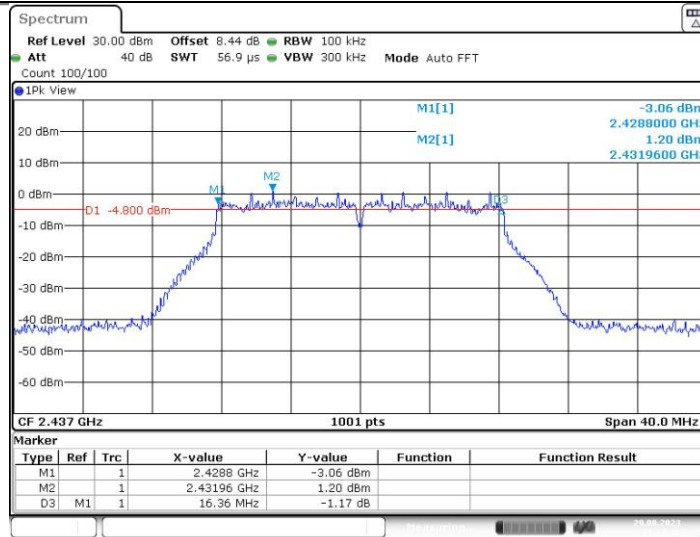
11B Ant1_2462



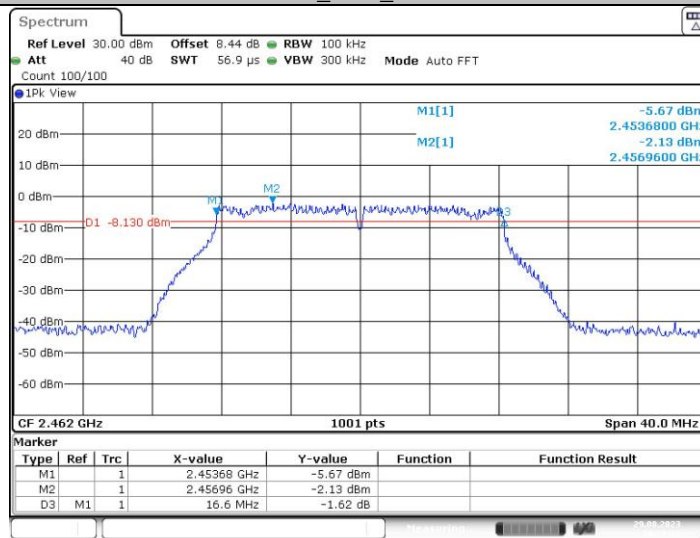
11G Ant1_2412



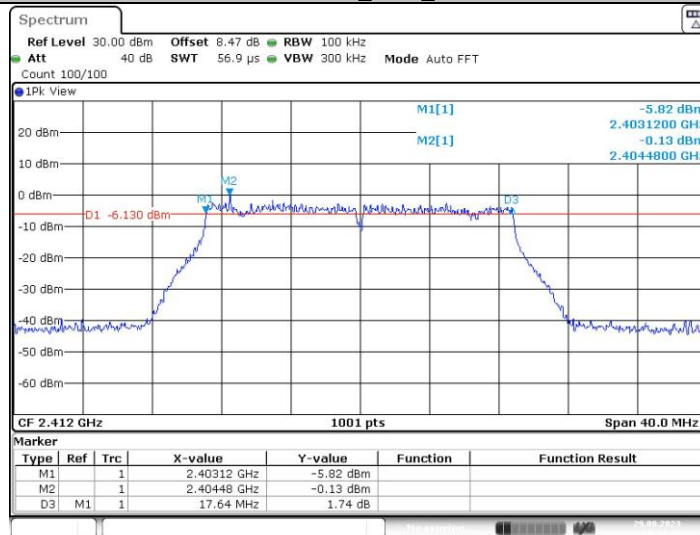
11G Ant1_2437



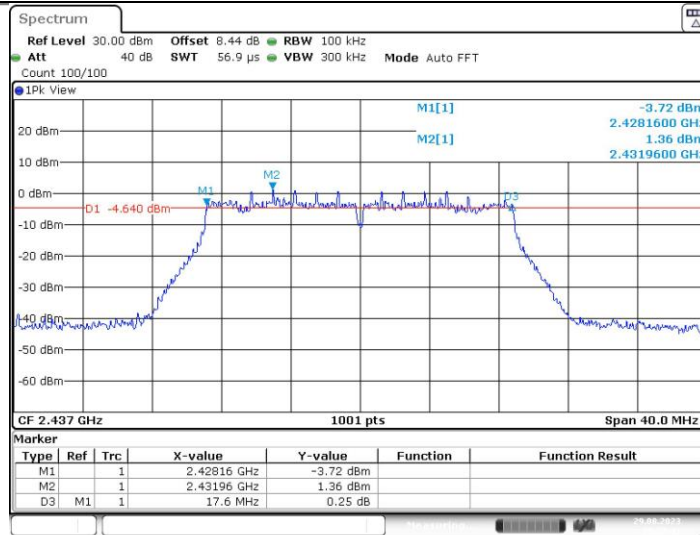
11G_Ant1_2462



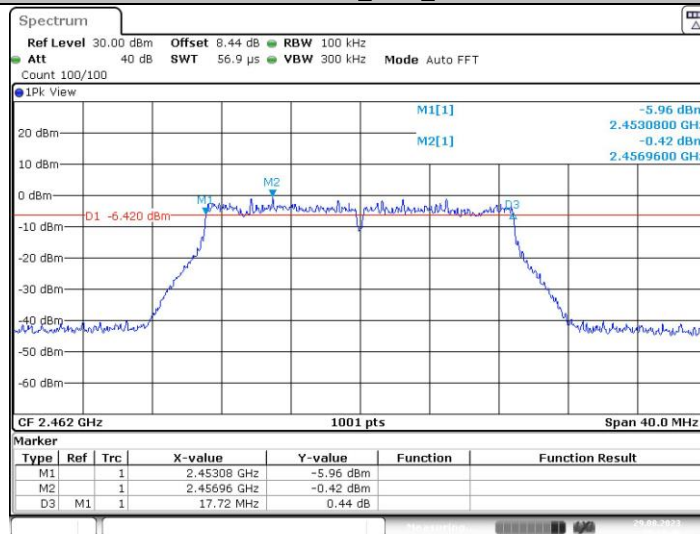
11N20SISO_Ant1_2412



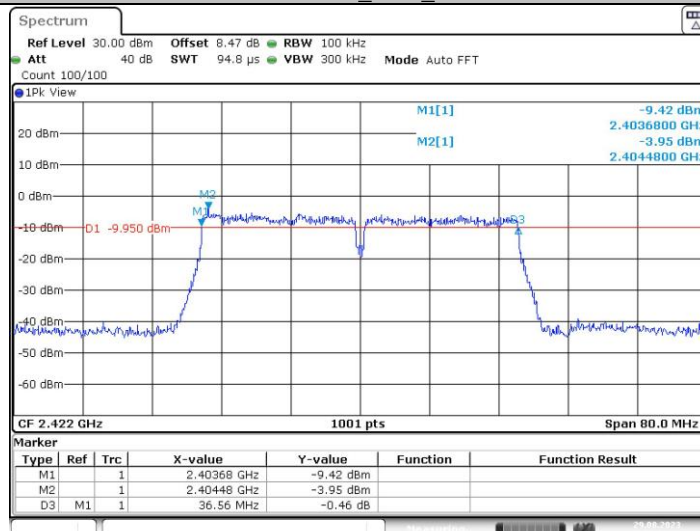
11N20SISO_Ant1_2437



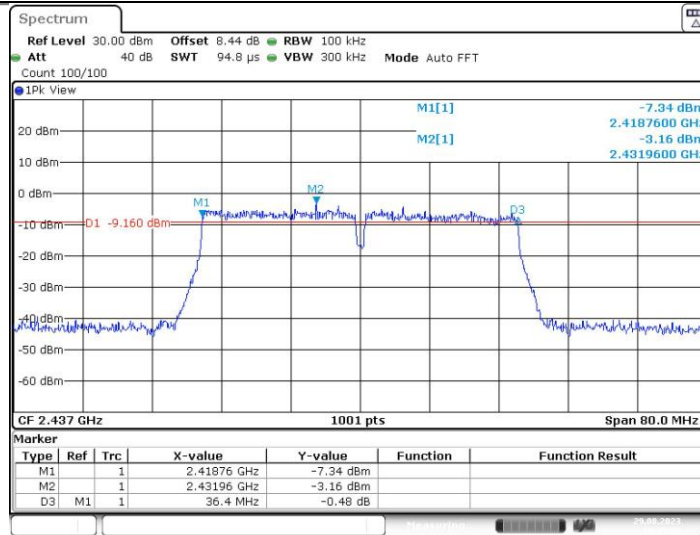
11N20SISO_Ant1_2462



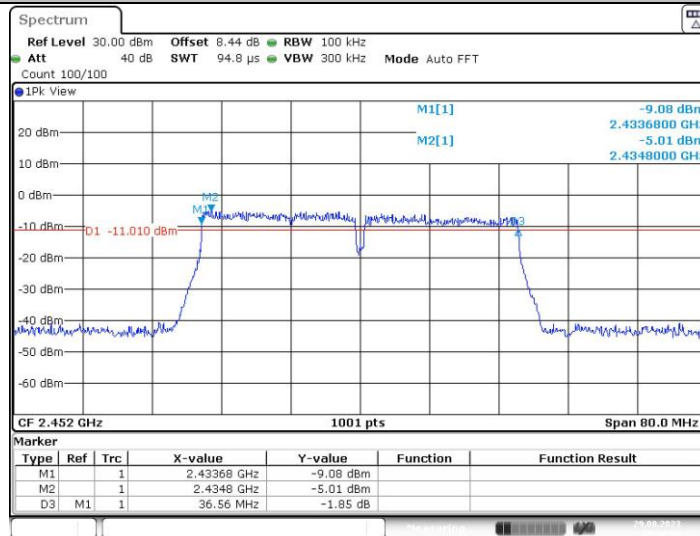
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



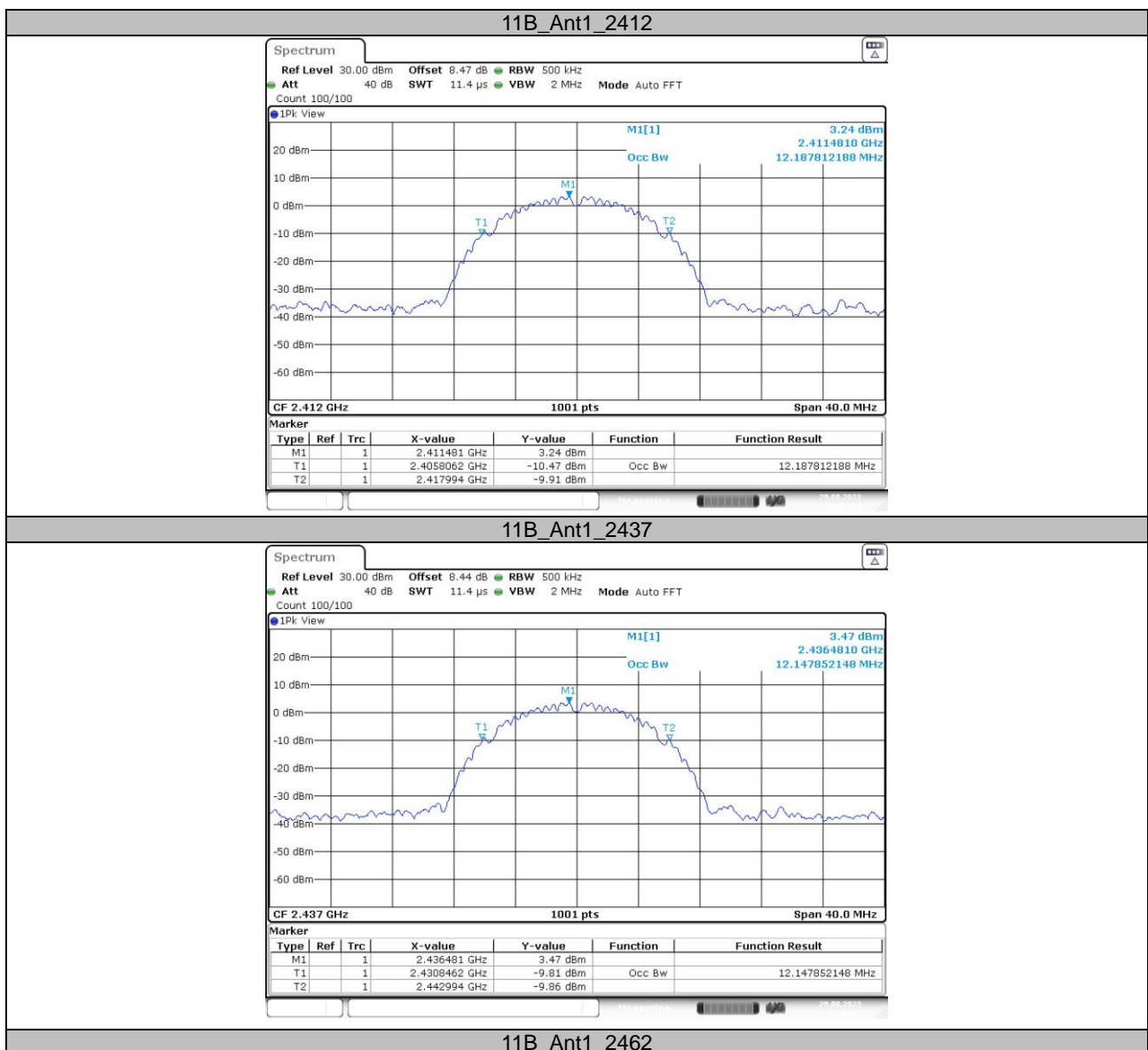
11N40SISO_Ant1_2452

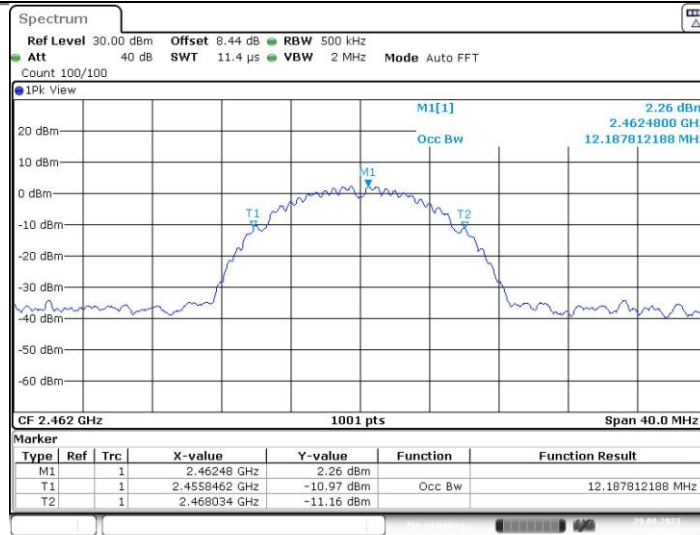


2. Occupied Channel Bandwidth

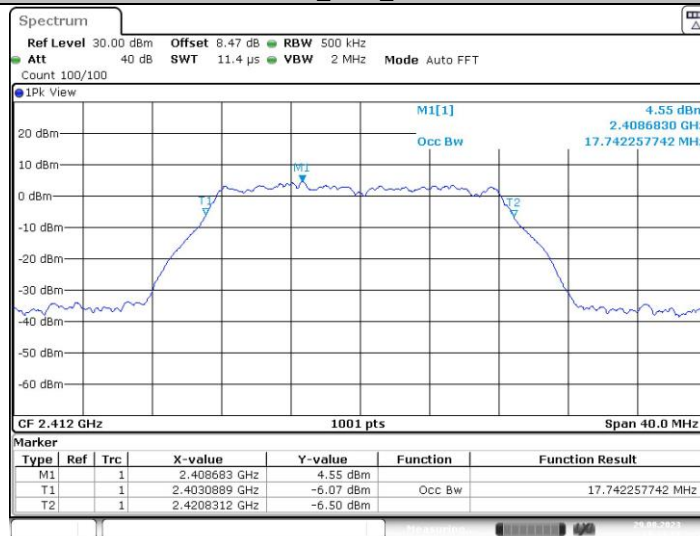
TestMode	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	2412	12.188	2405.8062	2417.9940	---	---
	2437	12.148	2430.8462	2442.9940	---	---
	2462	12.188	2455.8462	2468.0340	---	---
11G	2412	17.742	2403.0889	2420.8312	---	---
	2437	17.942	2427.6893	2445.6314	---	---
	2462	17.542	2453.0889	2470.6314	---	---
11N20SISO	2412	18.222	2402.8492	2421.0709	---	---
	2437	18.821	2427.4096	2446.2308	---	---
	2462	18.661	2452.6094	2471.2707	---	---
11N40SISO	2422	36.843	2403.4585	2440.3017	---	---
	2437	36.523	2418.6983	2455.2218	---	---
	2452	36.683	2433.6184	2470.3017	---	---

TEST GRAPHS

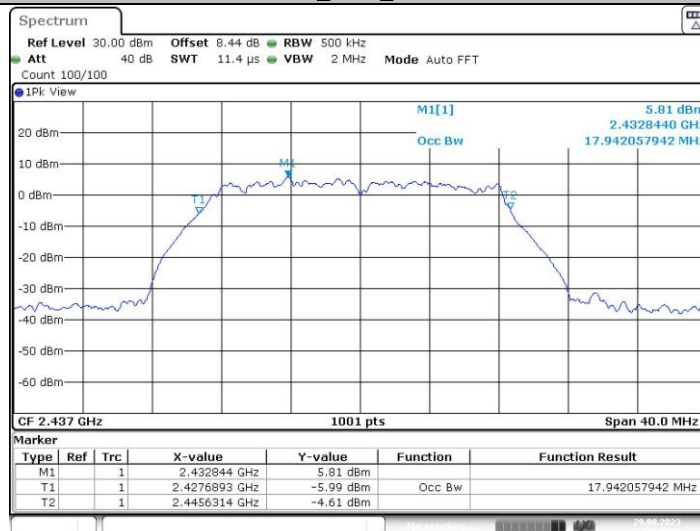




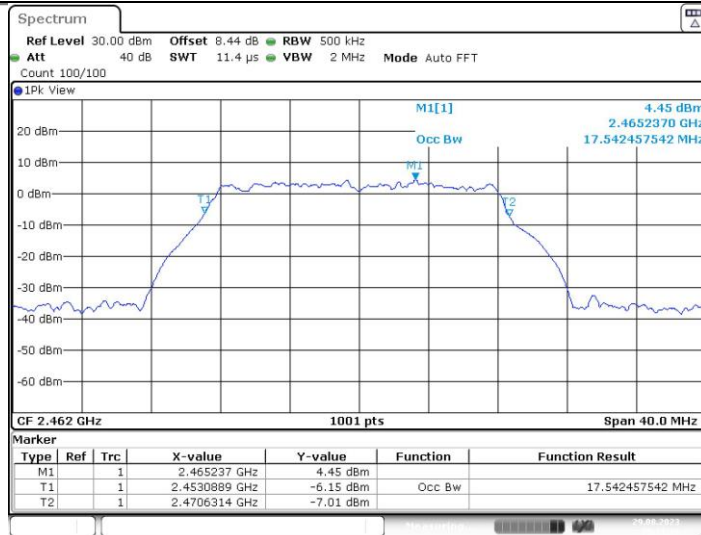
11G_Ant1_2412



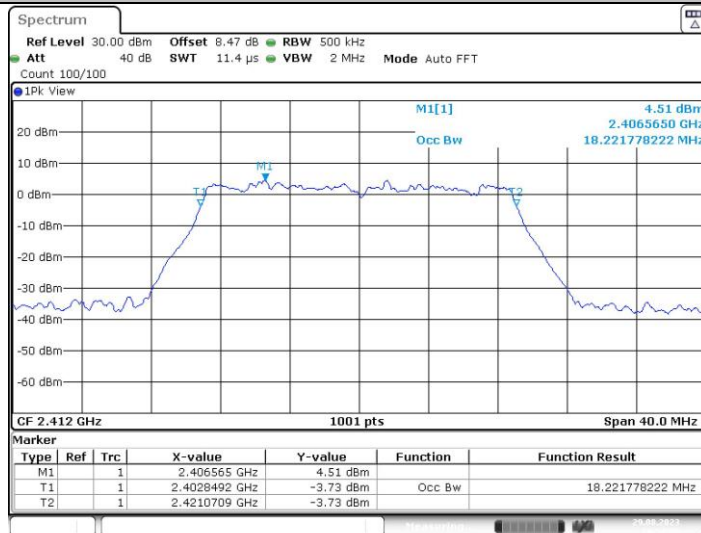
11G_Ant1_2437



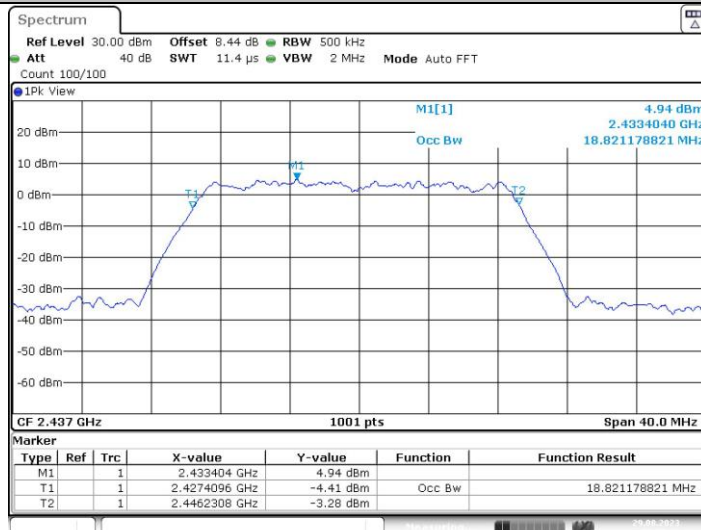
11G_Ant1_2462



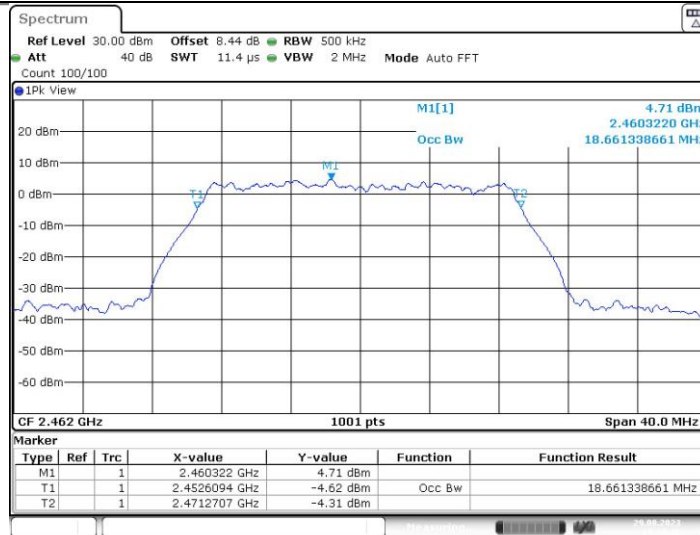
11N20SISO_Ant1_2412



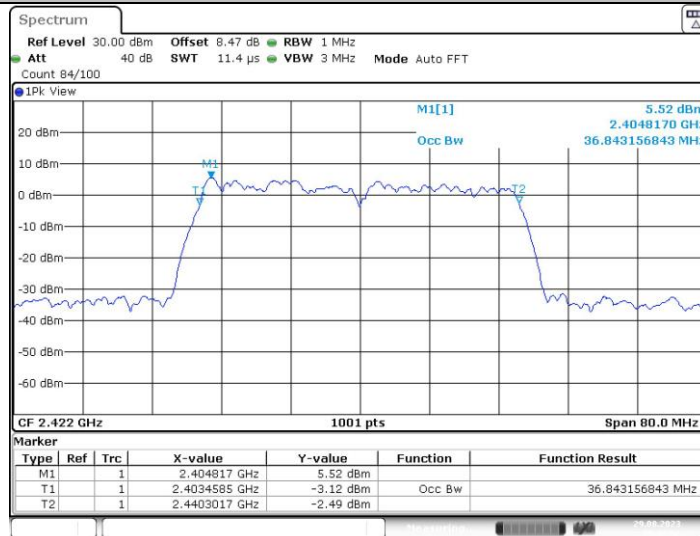
11N20SISO_Ant1_2437



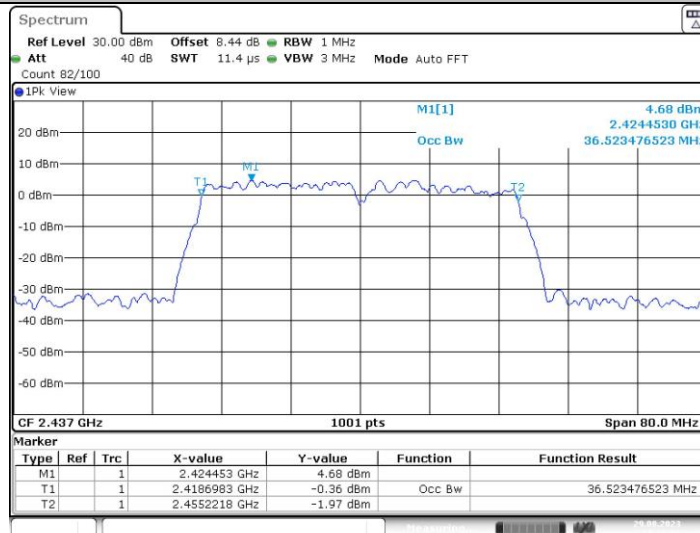
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422

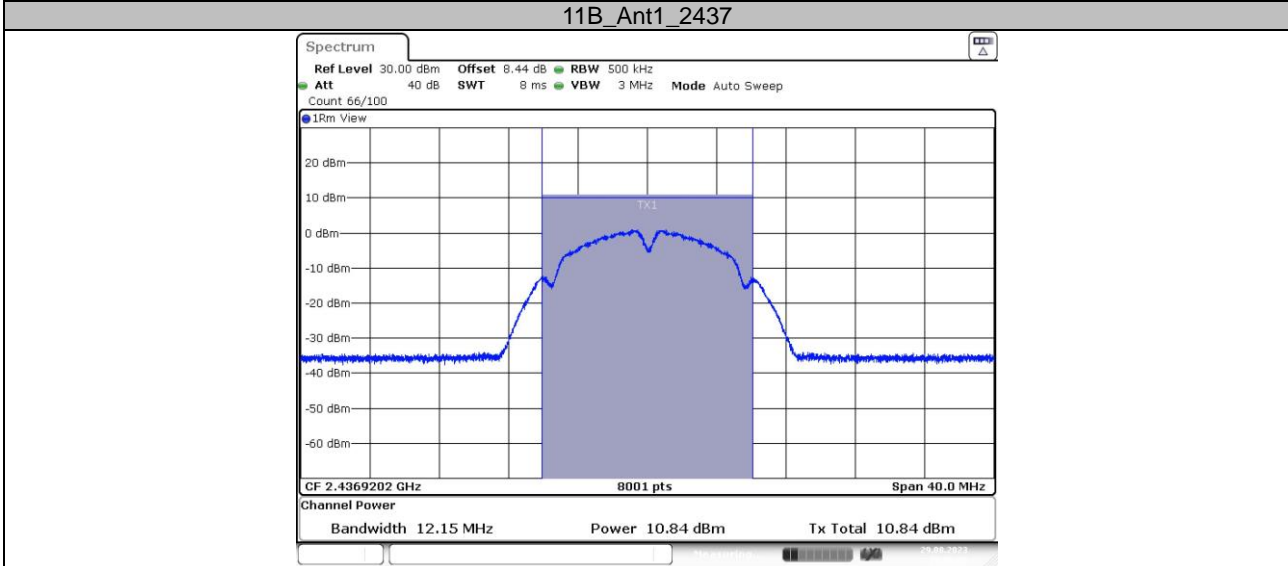
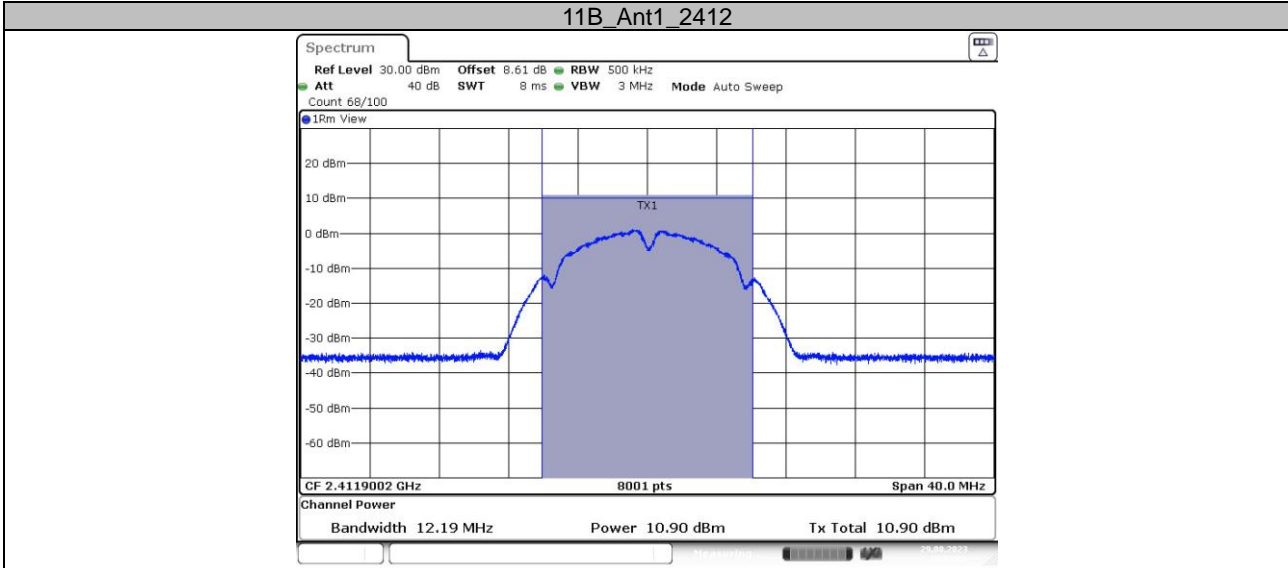


11N40SISO_Ant1_2437

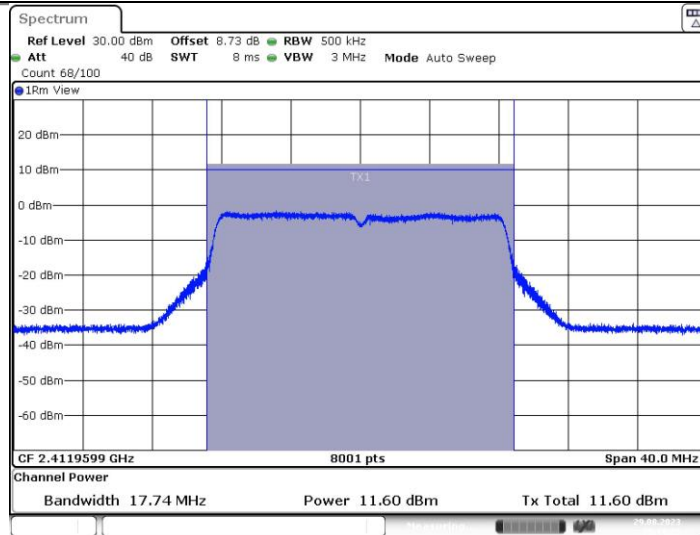


APPENDIX F - MAXIMUM OUTPUT POWER

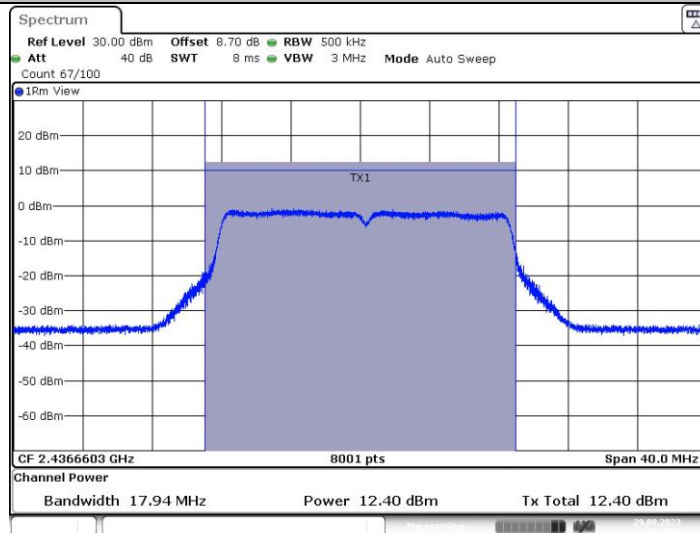
Test Mode	Frequency[MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]
11B	2412	10.76	96.83	0.14	10.90	≤30.00
	2437	10.84	100.00	0.00	10.84	≤30.00
	2462	9.64	96.20	0.17	9.81	≤30.00
11G	2412	11.34	94.10	0.26	11.60	≤30.00
	2437	12.14	94.11	0.26	12.40	≤30.00
	2462	11.35	93.08	0.31	11.66	≤30.00
11N20SISO	2412	11.36	93.85	0.28	11.64	≤30.00
	2437	12.21	81.41	0.89	13.10	≤30.00
	2462	11.61	93.31	0.30	11.91	≤30.00
11N40SISO	2422	11.40	88.95	0.51	11.91	≤30.00
	2437	11.56	89.18	0.50	12.06	≤30.00
	2452	11.30	93.46	0.29	11.59	≤30.00



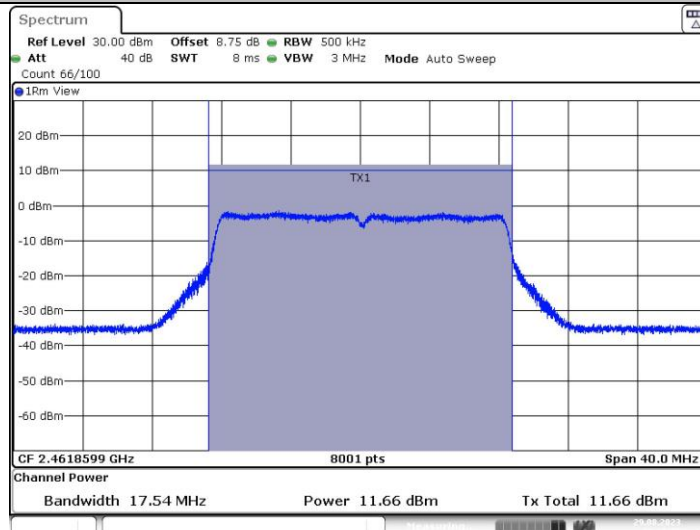
11G_Ant1_2412



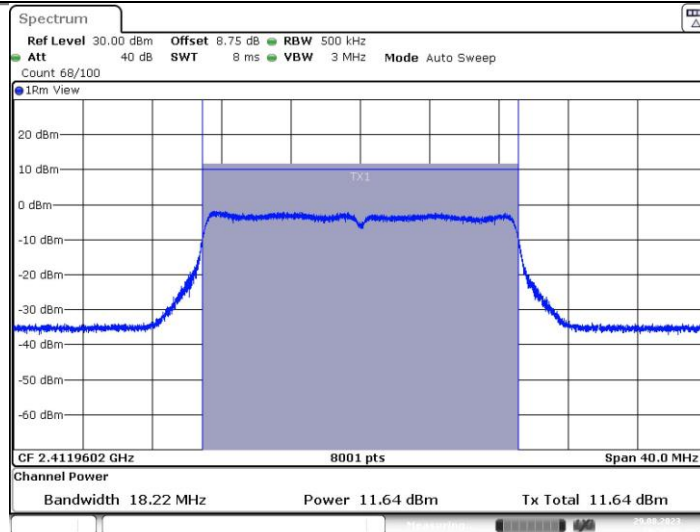
11G_Ant1_2437



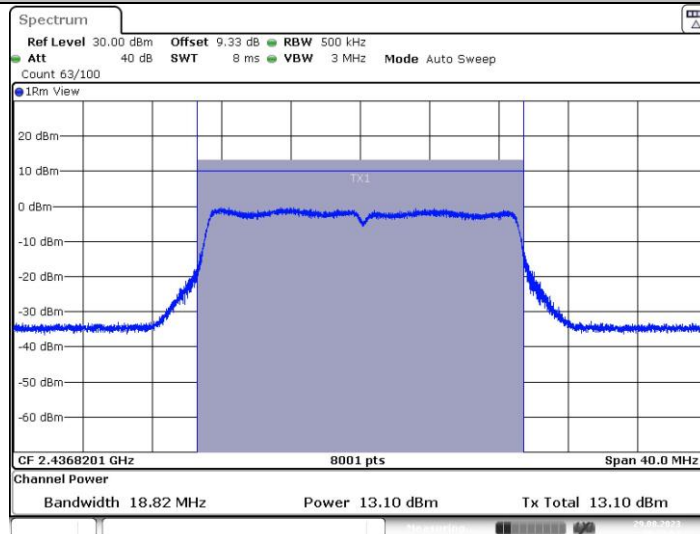
11G_Ant1_2462



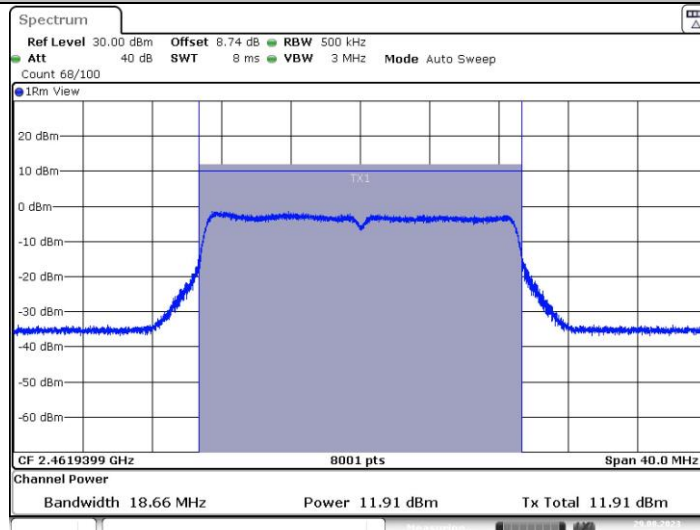
11N20SISO_Ant1_2412



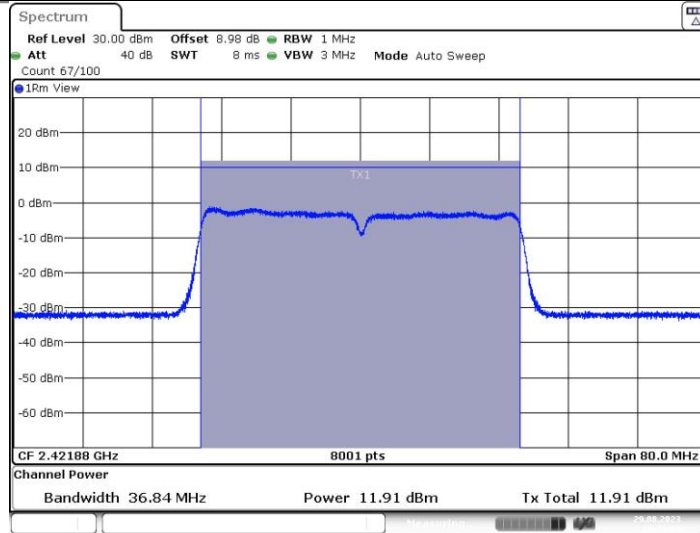
11N20SISO_Ant1_2437



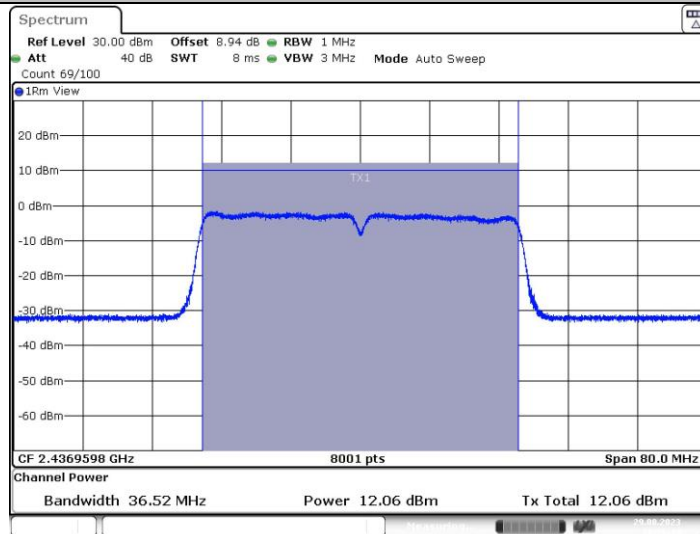
11N20SISO_Ant1_2462



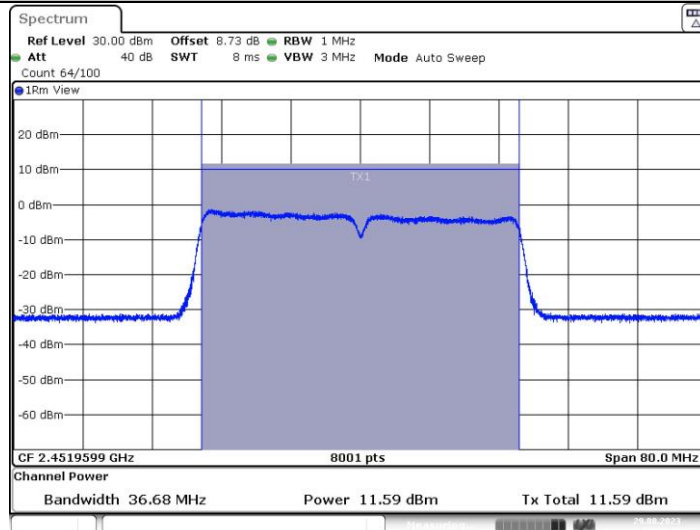
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



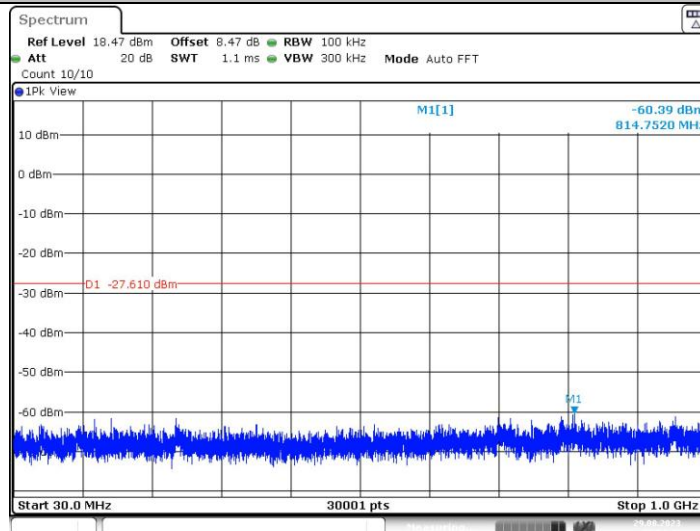
APPENDIX G - CONDUCTED SPURIOUS EMISSIONS

1. Conducted Spurious Emission

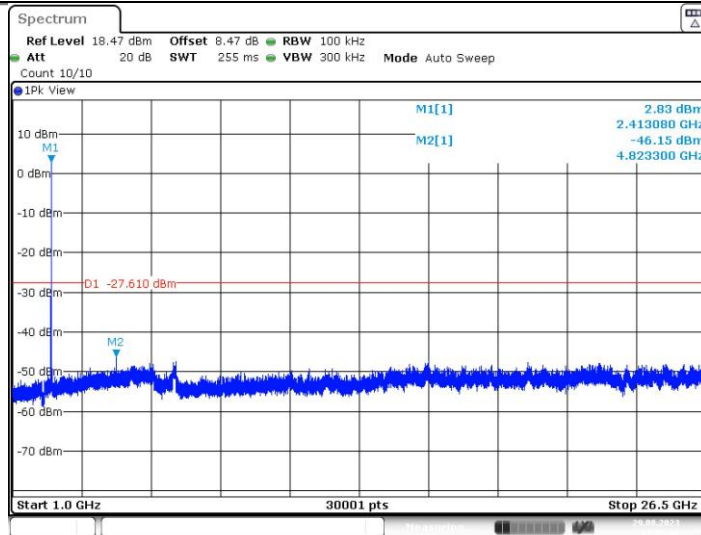
TestMode	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	2412	30~1000	2.39	-60.39	≤-27.61	PASS
		1000~26500	2.39	-46.15	≤-27.61	PASS
	2437	30~1000	2.90	-60.59	≤-27.1	PASS
		1000~26500	2.90	-46.3	≤-27.1	PASS
	2462	30~1000	1.52	-60.85	≤-28.48	PASS
		1000~26500	1.52	-46.96	≤-28.48	PASS
11G	2412	30~1000	-0.16	-60.52	≤-30.16	PASS
		1000~26500	-0.16	-46.97	≤-30.16	PASS
	2437	30~1000	0.67	-61.17	≤-29.33	PASS
		1000~26500	0.67	-46.79	≤-29.33	PASS
	2462	30~1000	-1.30	-60.84	≤-31.3	PASS
		1000~26500	-1.30	-47.44	≤-31.3	PASS
11N20SISO	2412	30~1000	-2.18	-59.13	≤-32.18	PASS
		1000~26500	-2.18	-47.42	≤-32.18	PASS
	2437	30~1000	1.36	-61.68	≤-28.64	PASS
		1000~26500	1.36	-46.78	≤-28.64	PASS
	2462	30~1000	1.01	-61.44	≤-28.99	PASS
		1000~26500	1.01	-46.78	≤-28.99	PASS
11N40SISO	2422	30~1000	-2.20	-61.11	≤-32.2	PASS
		1000~26500	-2.20	-46.76	≤-32.2	PASS
	2437	30~1000	-1.66	-60.78	≤-31.66	PASS
		1000~26500	-1.66	-46.72	≤-31.66	PASS
	2452	30~1000	-1.46	-60.82	≤-31.46	PASS
		1000~26500	-1.46	-46.43	≤-31.46	PASS

Test Graphs

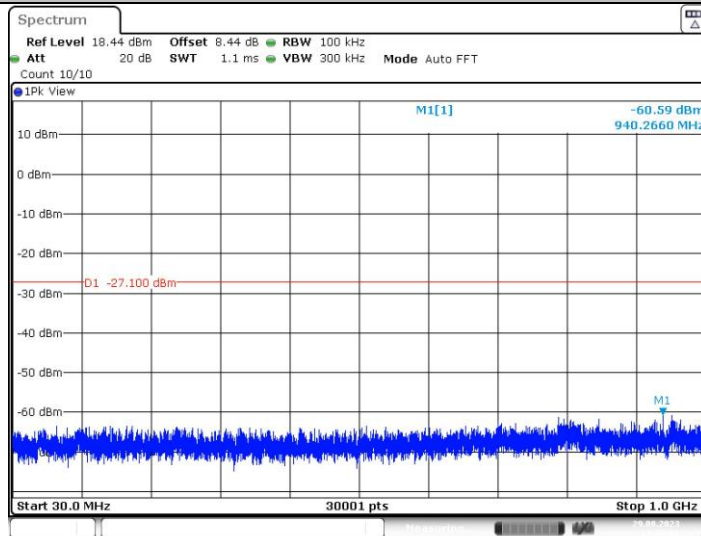
11B_Ant1_2412_30~1000



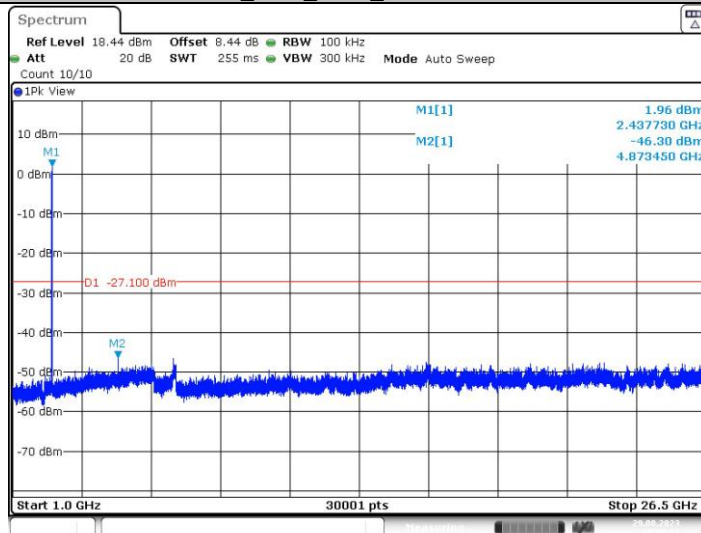
11B_Ant1_2412_1000~26500



11B_Ant1_2437_30~1000



11B_Ant1_2437_1000~26500



11B_Ant1_2462_30~1000