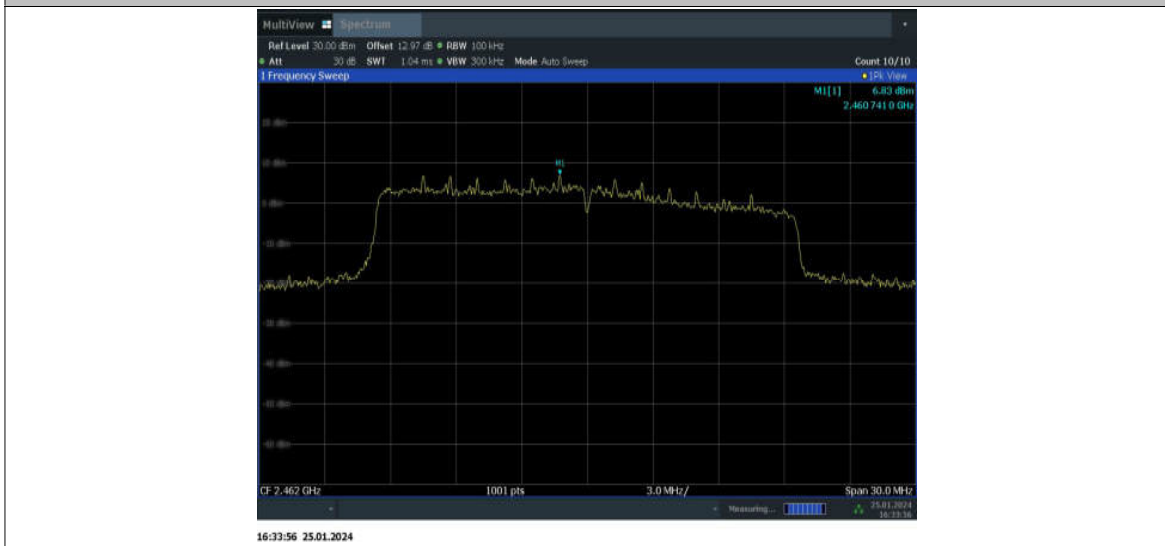
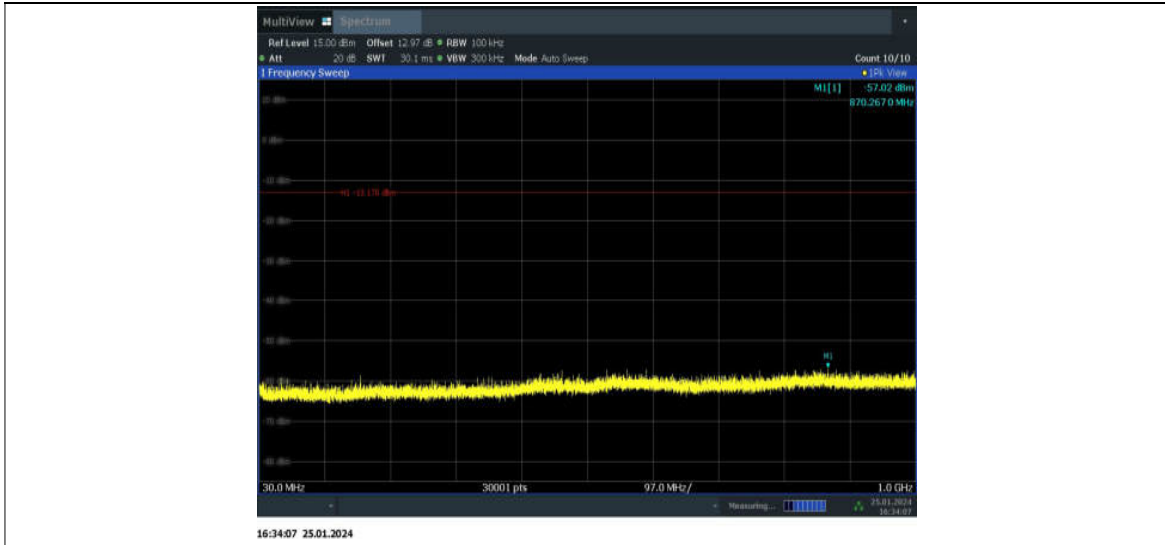




11AX20MIMO_ANT7_2462_0~Reference



11AX20MIMO_ANT7_2462_30~1000



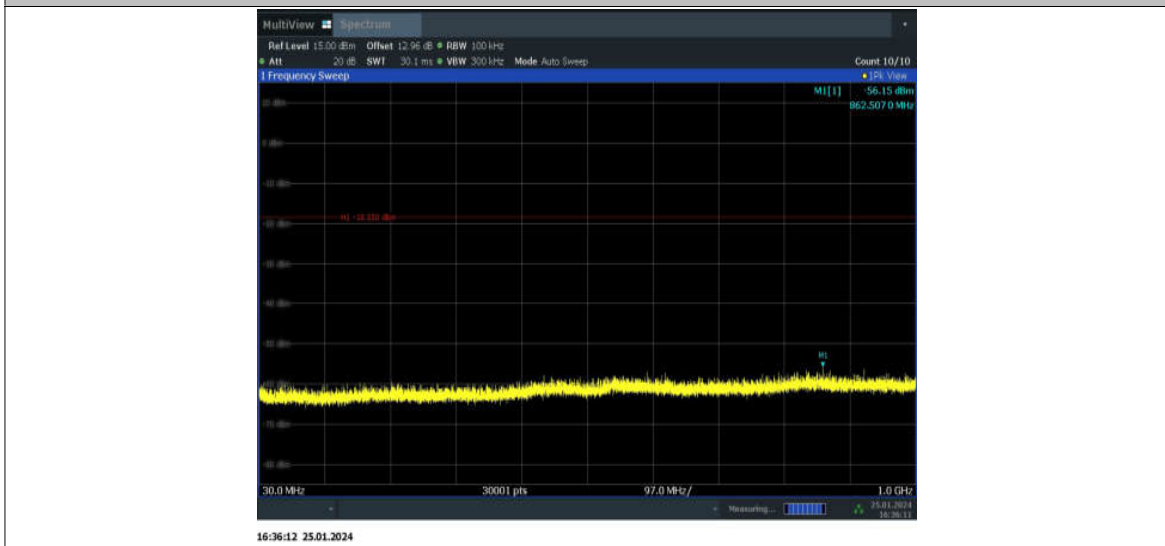
11AX20MIMO_ANT7_2462_1000~26500



11AX40MIMO_ANT5_2422_0~Reference



11AX40MIMO_ANT5_2422_30~1000



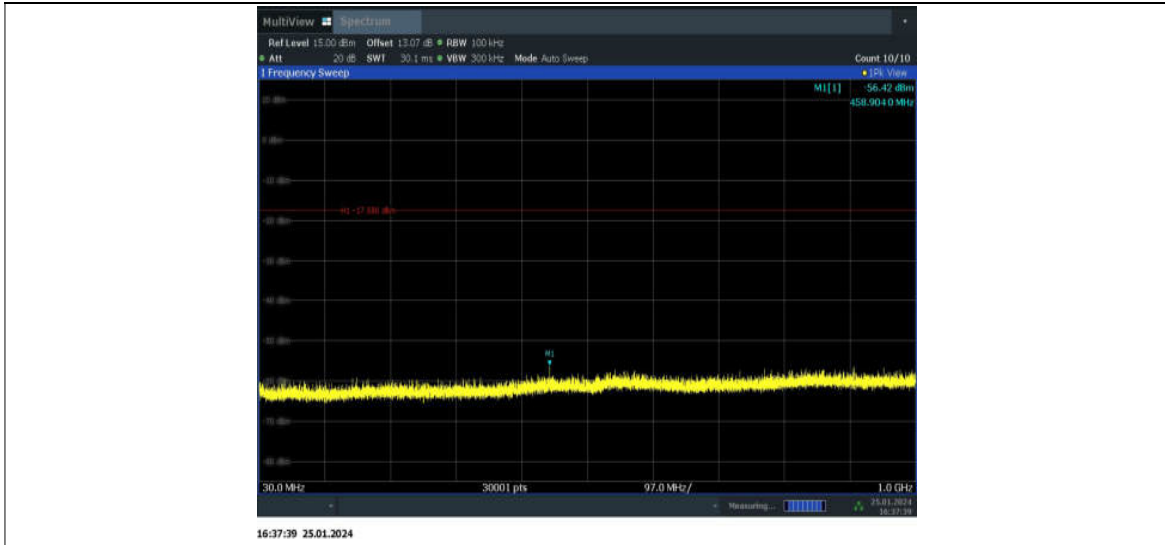
11AX40MIMO_ANT5_2422_1000~26500



11AX40MIMO_ANT7_2422_0~Reference



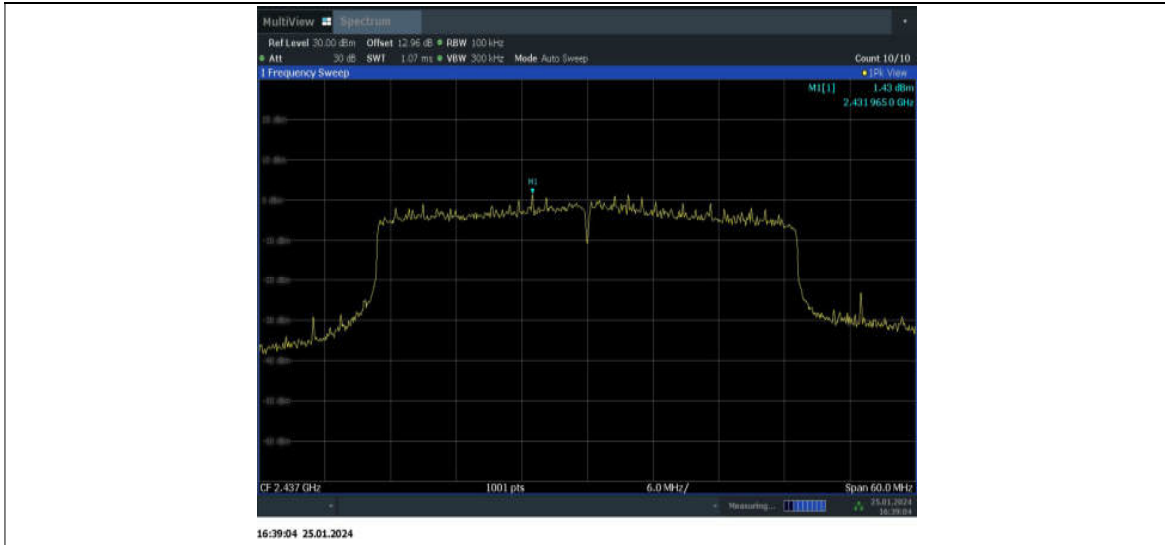
11AX40MIMO_ANT7_2422_30~1000



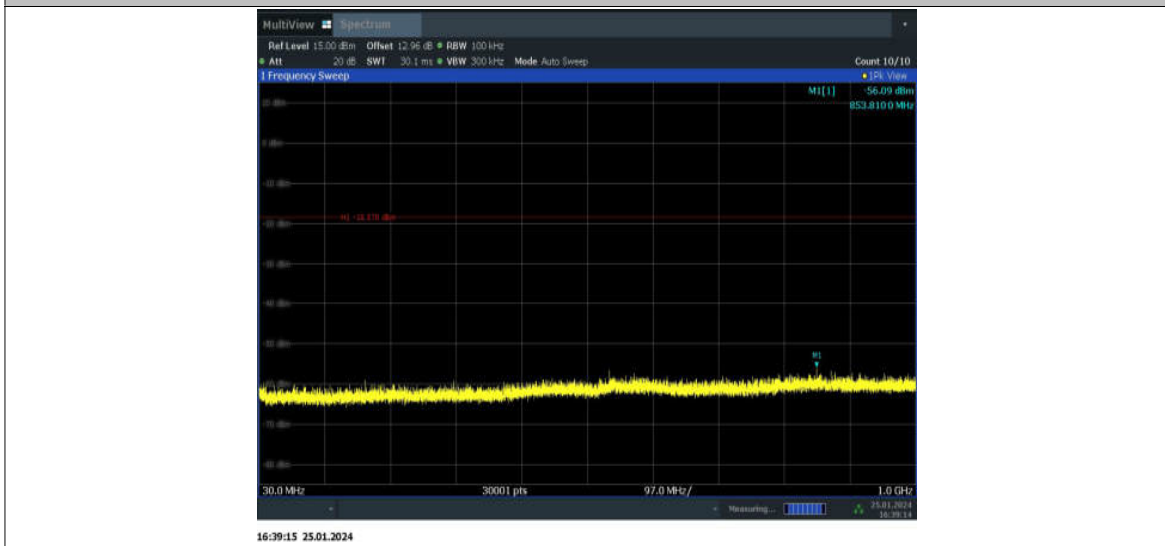
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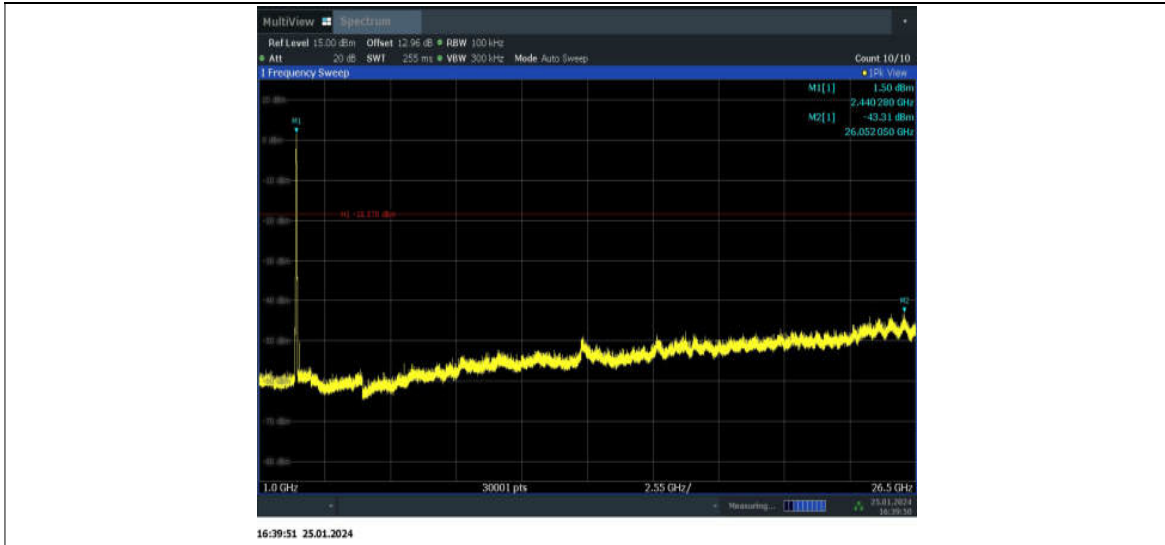
11AX40MIMO_ANT5_2437_0~Reference



11AX40MIMO_ANT5_2437_30~1000



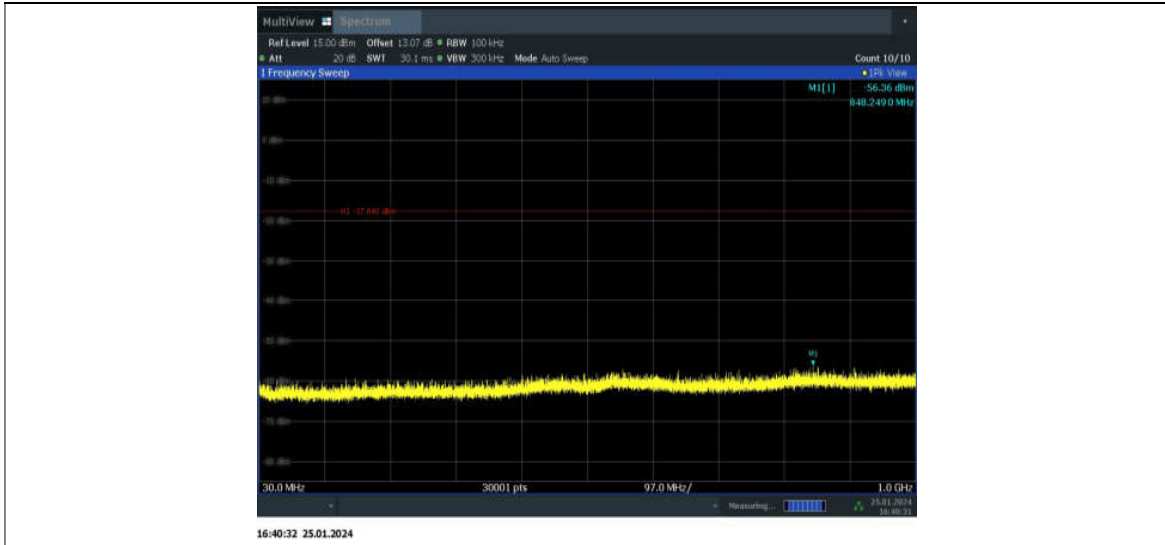
11AX40MIMO_ANT5_2437_1000~26500



11AX40MIMO_ANT7_2437_0~Reference



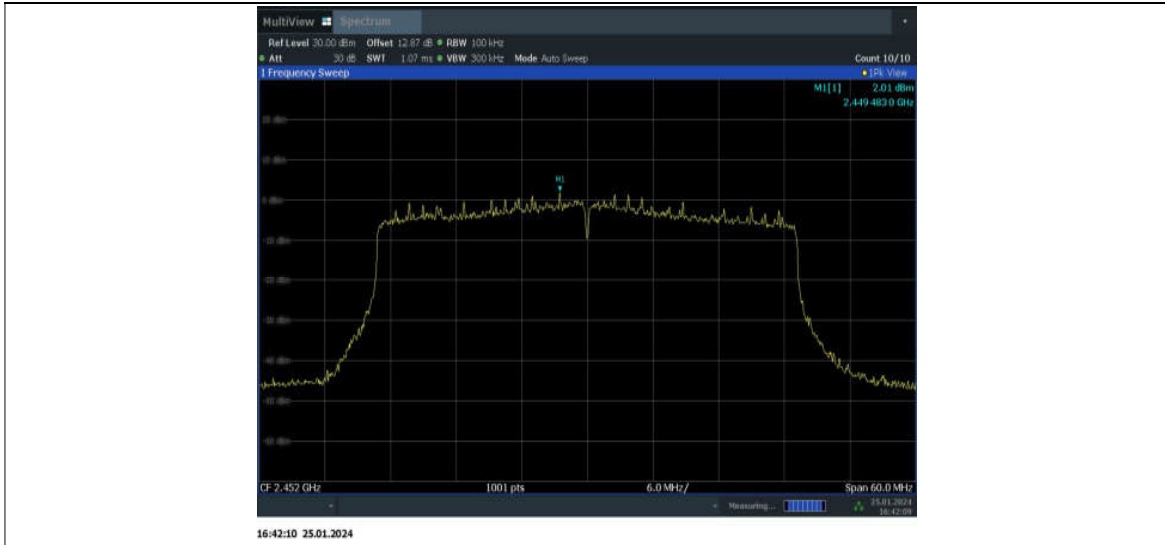
11AX40MIMO_ANT7_2437_30~1000



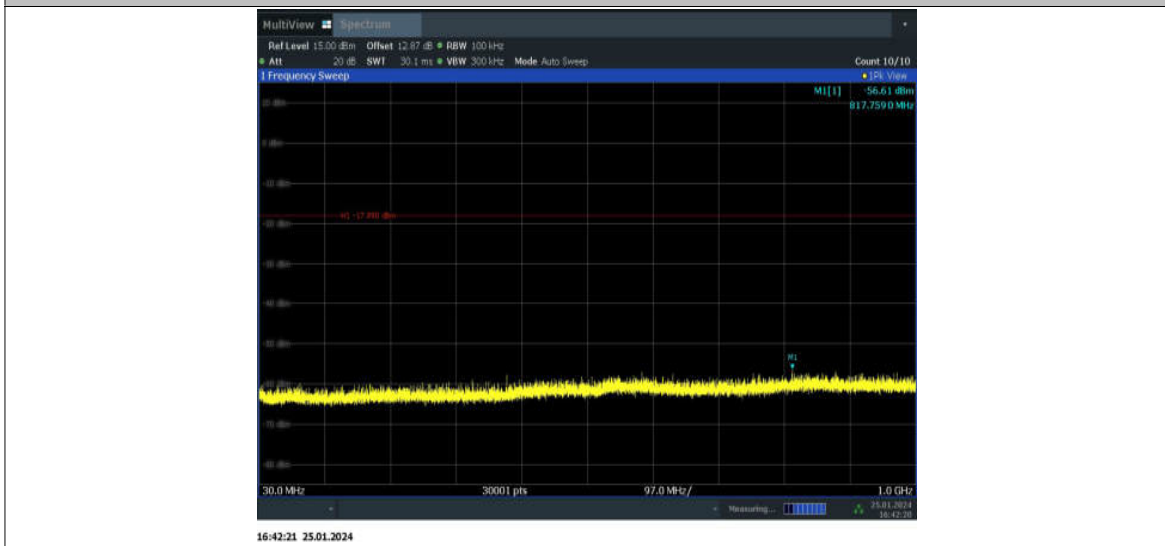
11AX40MIMO_ANT7_2437_1000~26500



11AX40MIMO_ANT5_2452_0~Reference



11AX40MIMO_ANT5_2452_30~1000



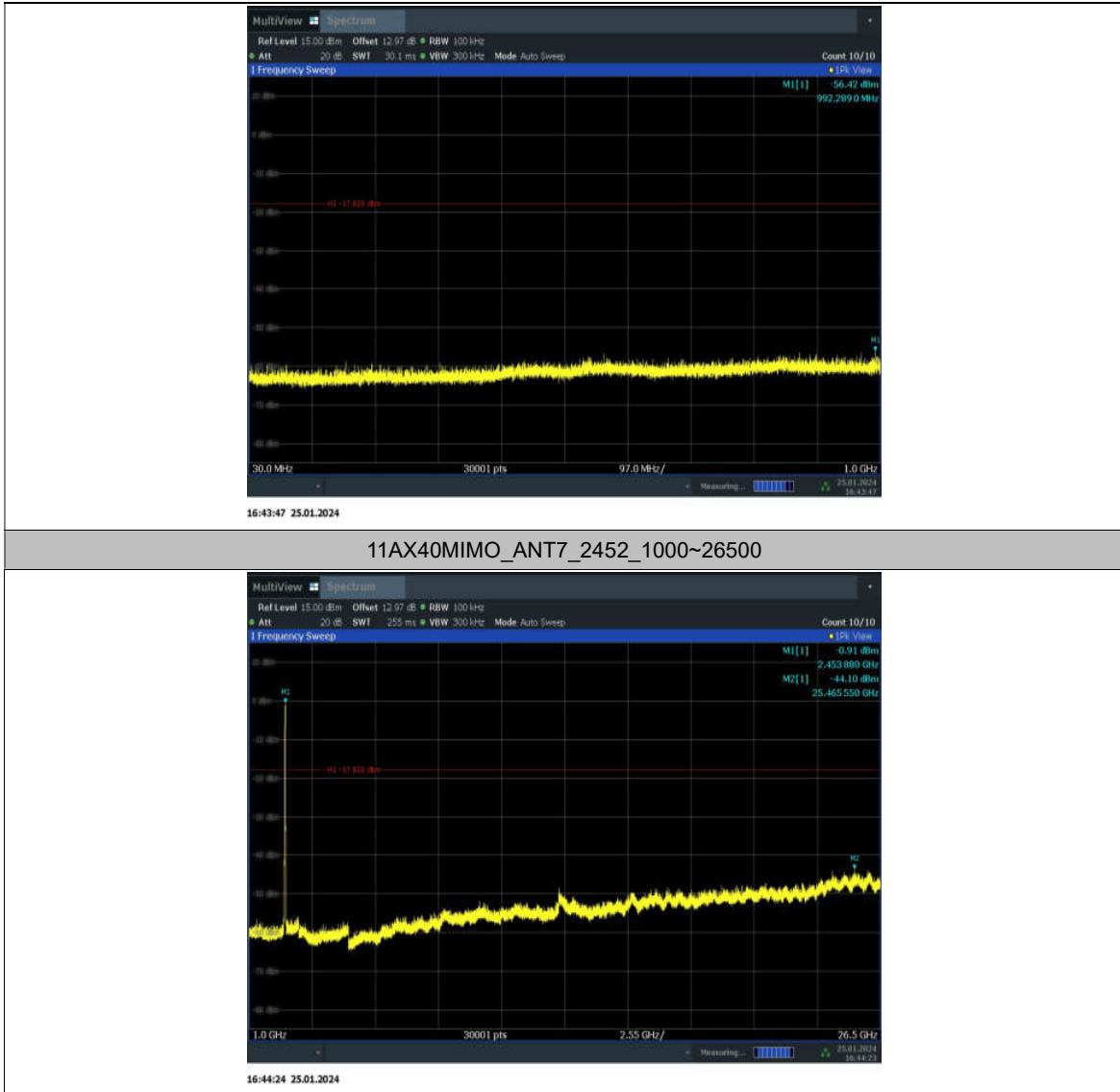
11AX40MIMO_ANT5_2452_1000~26500



11AX40MIMO_ANT7_2452_0~Reference



11AX40MIMO_ANT7_2452_30~1000



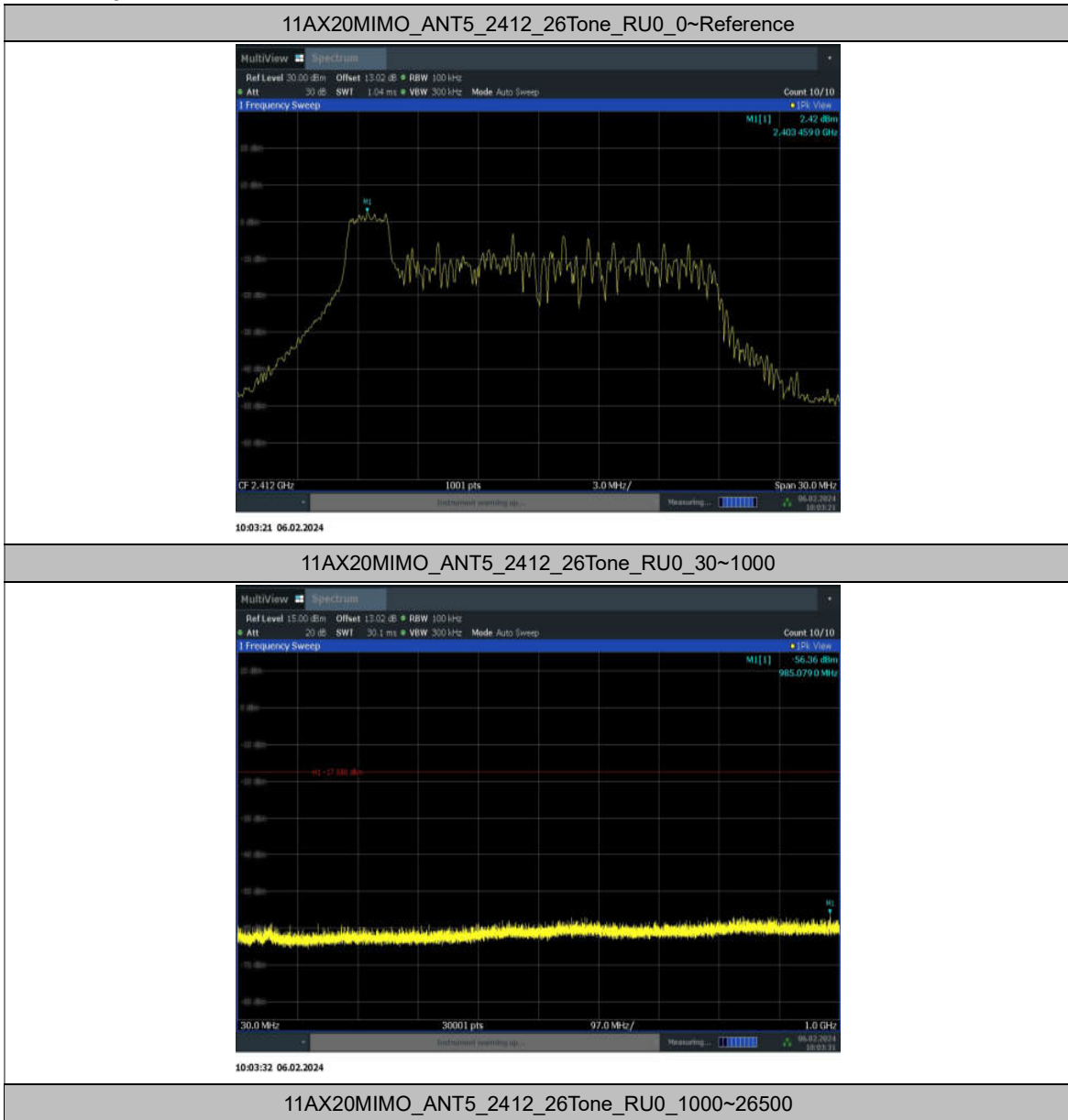
11ax-RU

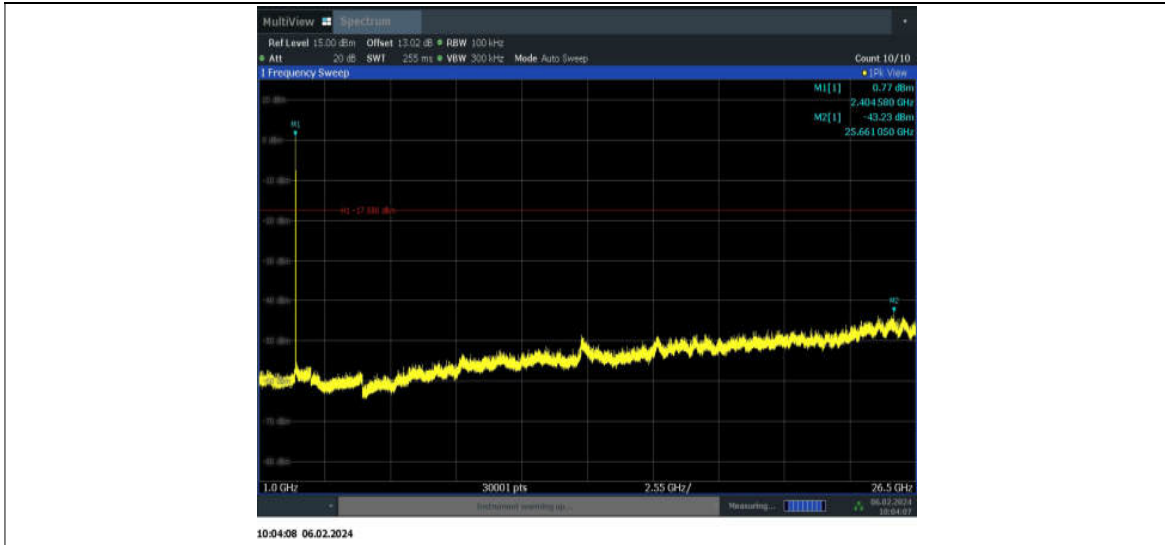
| TestMode | Antenna | Frequency[MHz] | Ru Size | Ru Index | FreqRange [Mhz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|------------|---------|----------------|---------|------------|-----------------|----------------|--------------|-------------|---------|
| 11AX20MIMO | ANT5 | 2412 | 26Tone | RU0 | Reference | 2.42 | 2.42 | --- | PASS |
| | | | | RU0 | 30~1000 | 2.42 | -56.36 | ≤-17.58 | PASS |
| | | | | RU0 | 1000~26500 | 2.42 | -43.23 | ≤-17.58 | PASS |
| | | | | RU8 | Reference | 2.01 | 2.01 | --- | PASS |
| | | | | RU8 | 30~1000 | 2.01 | -56.13 | ≤-17.99 | PASS |
| | | | | RU8 | 1000~26500 | 2.01 | -43.44 | ≤-17.99 | PASS |
| | | | 52Tone | RU37 | Reference | 3.10 | 3.10 | --- | PASS |
| | | | | RU37 | 30~1000 | 3.10 | -55.59 | ≤-16.9 | PASS |
| | | | | RU37 | 1000~26500 | 3.10 | -42.80 | ≤-16.9 | PASS |
| | | | | RU40 | Reference | 2.74 | 2.74 | --- | PASS |
| | | | | RU40 | 30~1000 | 2.74 | -56.96 | ≤-17.26 | PASS |
| | | | | RU40 | 1000~26500 | 2.74 | -43.76 | ≤-17.26 | PASS |
| | | | 106Tone | RU53 | Reference | 2.06 | 2.06 | --- | PASS |
| | | | | RU53 | 30~1000 | 2.06 | -56.54 | ≤-17.94 | PASS |
| | | | | RU53 | 1000~26500 | 2.06 | -43.58 | ≤-17.94 | PASS |
| | | | | RU54 | Reference | 2.04 | 2.04 | --- | PASS |
| | | | | RU54 | 30~1000 | 2.04 | -56.17 | ≤-17.96 | PASS |
| | | | | RU54 | 1000~26500 | 2.04 | -43.82 | ≤-17.96 | PASS |
| | ANT7 | 2412 | 26Tone | RU0 | Reference | 1.86 | 1.86 | --- | PASS |
| | | | | RU0 | 30~1000 | 1.86 | -56.10 | ≤-18.14 | PASS |
| | | | | RU0 | 1000~26500 | 1.86 | -43.63 | ≤-18.14 | PASS |
| | | | | RU8 | Reference | 3.48 | 3.48 | --- | PASS |
| | | | | RU8 | 30~1000 | 3.48 | -55.83 | ≤-16.52 | PASS |
| | | | | RU8 | 1000~26500 | 3.48 | -43.18 | ≤-16.52 | PASS |
| | | | 52Tone | RU37 | Reference | 1.03 | 1.03 | --- | PASS |
| | | | | RU37 | 30~1000 | 1.03 | -56.70 | ≤-18.97 | PASS |
| | | | | RU37 | 1000~26500 | 1.03 | -43.17 | ≤-18.97 | PASS |
| | | | | RU40 | Reference | 3.27 | 3.27 | --- | PASS |
| | | | | RU40 | 30~1000 | 3.27 | -56.06 | ≤-16.73 | PASS |
| | | | | RU40 | 1000~26500 | 3.27 | -43.23 | ≤-16.73 | PASS |
| 106Tone | | | RU53 | Reference | 1.79 | 1.79 | --- | PASS | |
| | | | RU53 | 30~1000 | 1.79 | -56.72 | ≤-18.21 | PASS | |
| | | | RU53 | 1000~26500 | 1.79 | -42.91 | ≤-18.21 | PASS | |
| | | | RU54 | Reference | 2.70 | 2.70 | --- | PASS | |
| | | | RU54 | 30~1000 | 2.70 | -56.13 | ≤-17.3 | PASS | |
| | | | RU54 | 1000~26500 | 2.70 | -43.73 | ≤-17.3 | PASS | |
| ANT5 | 2437 | 26Tone | RU0 | Reference | 1.32 | 1.32 | --- | PASS | |
| | | | RU0 | 30~1000 | 1.32 | -56.70 | ≤-18.68 | PASS | |
| | | | RU0 | 1000~26500 | 1.32 | -43.70 | ≤-18.68 | PASS | |

| | | | | | | | | | |
|------|------------|--------|---------|------------|------------|--------|---------|---------|------|
| | | | | RU8 | Reference | 1.96 | 1.96 | --- | PASS |
| | | | | RU8 | 30~1000 | 1.96 | -56.64 | ≤-18.04 | PASS |
| | | | | RU8 | 1000~26500 | 1.96 | -43.74 | ≤-18.04 | PASS |
| | | | 52Tone | RU37 | Reference | 1.10 | 1.10 | --- | PASS |
| | | | | RU37 | 30~1000 | 1.10 | -55.81 | ≤-18.9 | PASS |
| | | | | RU37 | 1000~26500 | 1.10 | -44.46 | ≤-18.9 | PASS |
| | | | | RU40 | Reference | 2.29 | 2.29 | --- | PASS |
| | | | | RU40 | 30~1000 | 2.29 | -56.33 | ≤-17.71 | PASS |
| | | | | RU40 | 1000~26500 | 2.29 | -43.90 | ≤-17.71 | PASS |
| | | | 106Tone | RU53 | Reference | 1.36 | 1.36 | --- | PASS |
| | | | | RU53 | 30~1000 | 1.36 | -56.40 | ≤-18.64 | PASS |
| | | | | RU53 | 1000~26500 | 1.36 | -43.75 | ≤-18.64 | PASS |
| | | | | RU54 | Reference | 1.54 | 1.54 | --- | PASS |
| | | | | RU54 | 30~1000 | 1.54 | -56.70 | ≤-18.46 | PASS |
| | | | | RU54 | 1000~26500 | 1.54 | -44.26 | ≤-18.46 | PASS |
| | ANT7 | 2437 | 26Tone | RU0 | Reference | 2.77 | 2.77 | --- | PASS |
| | | | | RU0 | 30~1000 | 2.77 | -56.63 | ≤-17.23 | PASS |
| | | | | RU0 | 1000~26500 | 2.77 | -43.74 | ≤-17.23 | PASS |
| | | | | RU8 | Reference | 1.82 | 1.82 | --- | PASS |
| | | | | RU8 | 30~1000 | 1.82 | -56.09 | ≤-18.18 | PASS |
| | | | | RU8 | 1000~26500 | 1.82 | -43.69 | ≤-18.18 | PASS |
| | | | 52Tone | RU37 | Reference | 2.95 | 2.95 | --- | PASS |
| | | | | RU37 | 30~1000 | 2.95 | -56.68 | ≤-17.05 | PASS |
| | | | | RU37 | 1000~26500 | 2.95 | -44.21 | ≤-17.05 | PASS |
| | | | | RU40 | Reference | 2.39 | 2.39 | --- | PASS |
| | | | | RU40 | 30~1000 | 2.39 | -55.83 | ≤-17.61 | PASS |
| | | | | RU40 | 1000~26500 | 2.39 | -43.24 | ≤-17.61 | PASS |
| | | | 106Tone | RU53 | Reference | 1.98 | 1.98 | --- | PASS |
| | | | | RU53 | 30~1000 | 1.98 | -56.25 | ≤-18.02 | PASS |
| | | | | RU53 | 1000~26500 | 1.98 | -44.24 | ≤-18.02 | PASS |
| RU54 | Reference | 2.25 | | 2.25 | --- | PASS | | | |
| RU54 | 30~1000 | 2.25 | | -56.29 | ≤-17.75 | PASS | | | |
| RU54 | 1000~26500 | 2.25 | | -43.74 | ≤-17.75 | PASS | | | |
| ANT5 | 2462 | 26Tone | RU0 | Reference | 1.13 | 1.13 | --- | PASS | |
| | | | RU0 | 30~1000 | 1.13 | -56.81 | ≤-18.87 | PASS | |
| | | | RU0 | 1000~26500 | 1.13 | -44.00 | ≤-18.87 | PASS | |
| | | | RU8 | Reference | 1.22 | 1.22 | --- | PASS | |
| | | | RU8 | 30~1000 | 1.22 | -56.71 | ≤-18.78 | PASS | |
| | | | RU8 | 1000~26500 | 1.22 | -43.74 | ≤-18.78 | PASS | |
| | | 52Tone | RU37 | Reference | 1.50 | 1.50 | --- | PASS | |
| | | | RU37 | 30~1000 | 1.50 | -56.58 | ≤-18.5 | PASS | |
| | | | RU37 | 1000~26500 | 1.50 | -43.68 | ≤-18.5 | PASS | |

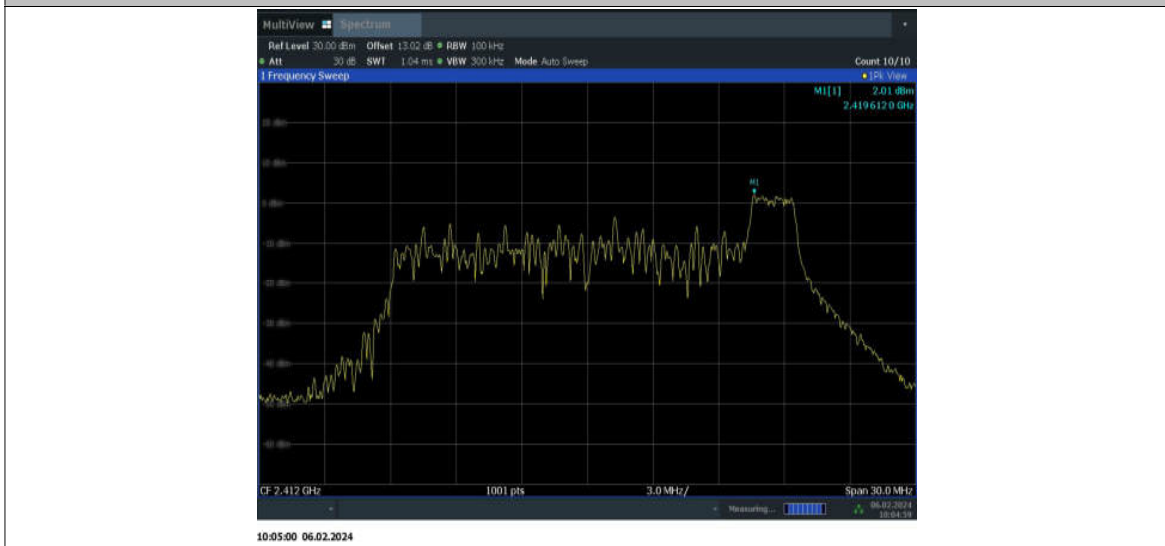
| | | | | | | | | | |
|--|------|------|---------|------|------------|------|--------|---------|------|
| | | | | RU40 | Reference | 1.68 | 1.68 | --- | PASS |
| | | | | RU40 | 30~1000 | 1.68 | -57.06 | ≤-18.32 | PASS |
| | | | | RU40 | 1000~26500 | 1.68 | -44.31 | ≤-18.32 | PASS |
| | | | 106Tone | RU53 | Reference | 1.63 | 1.63 | --- | PASS |
| | | | | RU53 | 30~1000 | 1.63 | -56.11 | ≤-18.37 | PASS |
| | | | | RU53 | 1000~26500 | 1.63 | -44.11 | ≤-18.37 | PASS |
| | | | | RU54 | Reference | 2.16 | 2.16 | --- | PASS |
| | | | | RU54 | 30~1000 | 2.16 | -38.58 | ≤-17.84 | PASS |
| | | | | RU54 | 1000~26500 | 2.16 | -43.97 | ≤-17.84 | PASS |
| | ANT7 | 2462 | 26Tone | RU0 | Reference | 2.85 | 2.85 | --- | PASS |
| | | | | RU0 | 30~1000 | 2.85 | -56.45 | ≤-17.15 | PASS |
| | | | | RU0 | 1000~26500 | 2.85 | -43.64 | ≤-17.15 | PASS |
| | | | | RU8 | Reference | 1.22 | 1.22 | --- | PASS |
| | | | | RU8 | 30~1000 | 1.22 | -56.26 | ≤-18.78 | PASS |
| | | | | RU8 | 1000~26500 | 1.22 | -43.95 | ≤-18.78 | PASS |
| | | | 52Tone | RU37 | Reference | 2.04 | 2.04 | --- | PASS |
| | | | | RU37 | 30~1000 | 2.04 | -56.81 | ≤-17.96 | PASS |
| | | | | RU37 | 1000~26500 | 2.04 | -43.72 | ≤-17.96 | PASS |
| | | | | RU40 | Reference | 1.85 | 1.85 | --- | PASS |
| | | | | RU40 | 30~1000 | 1.85 | -56.72 | ≤-18.15 | PASS |
| | | | | RU40 | 1000~26500 | 1.85 | -43.79 | ≤-18.15 | PASS |
| | | | 106Tone | RU53 | Reference | 2.20 | 2.20 | --- | PASS |
| | | | | RU53 | 30~1000 | 2.20 | -57.11 | ≤-17.8 | PASS |
| | | | | RU53 | 1000~26500 | 2.20 | -43.76 | ≤-17.8 | PASS |
| | | | | RU54 | Reference | 2.16 | 2.16 | --- | PASS |
| | | | | RU54 | 30~1000 | 2.16 | -55.90 | ≤-17.84 | PASS |
| | | | | RU54 | 1000~26500 | 2.16 | -43.28 | ≤-17.84 | PASS |

Test Graphs

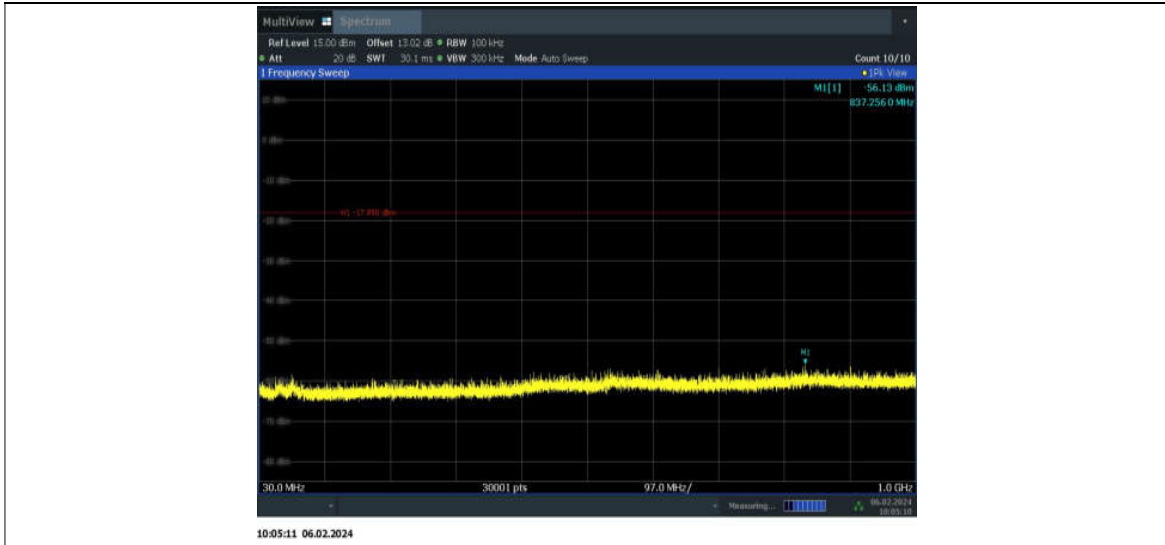




11AX20MIMO_ANT5_2412_26Tone_RU8_0-Reference



11AX20MIMO_ANT5_2412_26Tone_RU8_30~1000



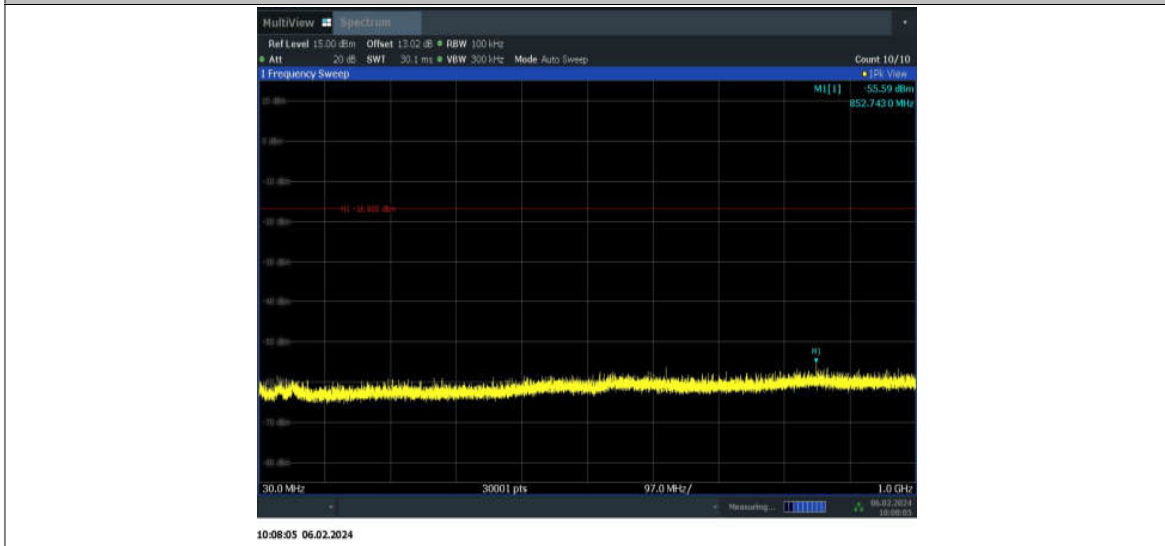
11AX20MIMO_ANT5_2412_26Tone_RU8_1000~26500



11AX20MIMO_ANT5_2412_52Tone_RU37_0~Reference



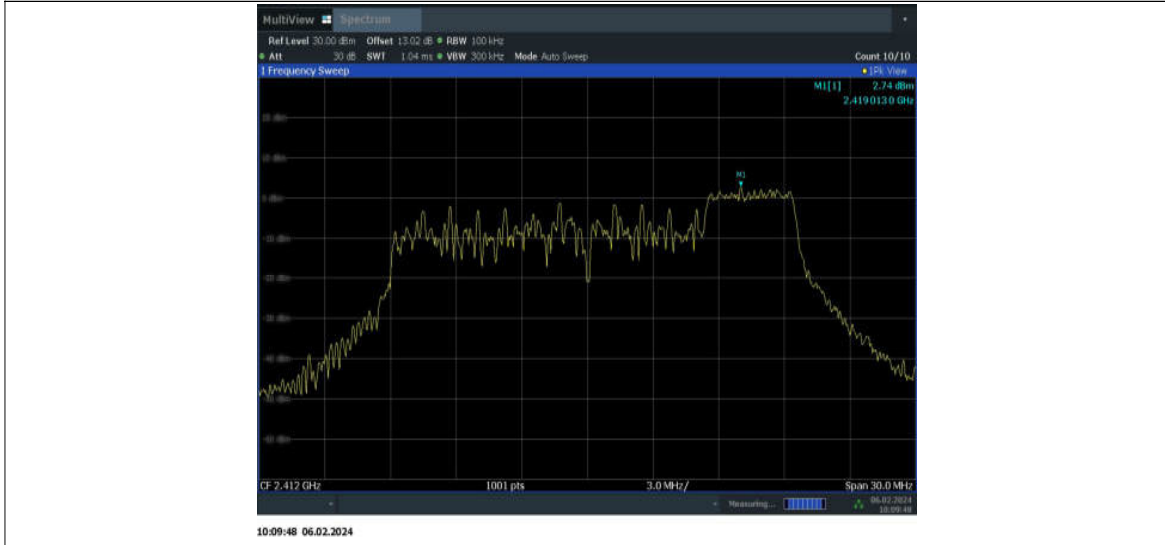
11AX20MIMO_ANT5_2412_52Tone_RU37_30~1000



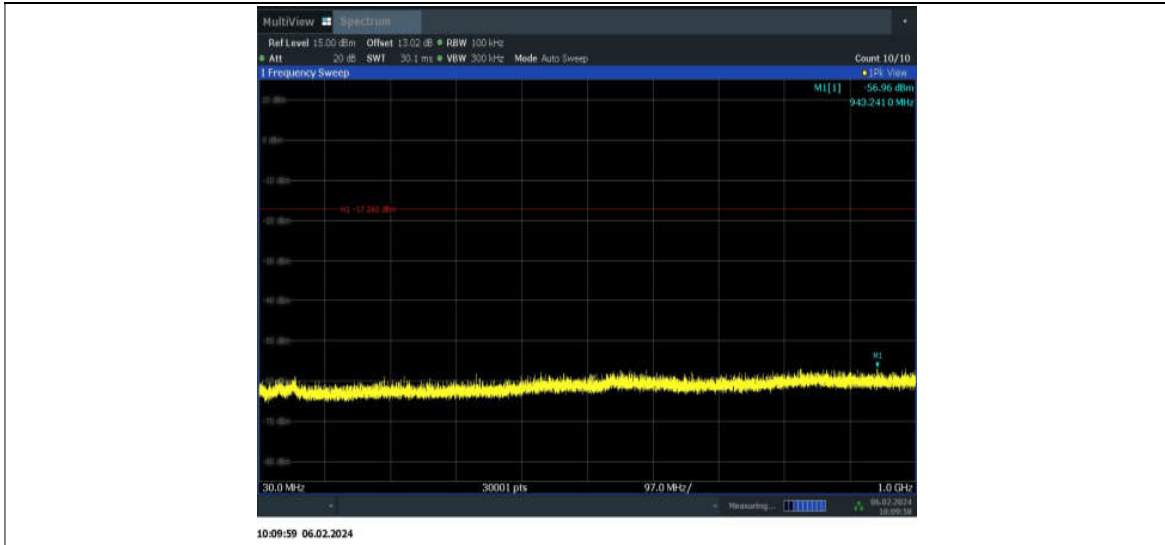
11AX20MIMO_ANT5_2412_52Tone_RU37_1000~26500



11AX20MIMO_ANT5_2412_52Tone_RU40_0~Reference



11AX20MIMO_ANT5_2412_52Tone_RU40_30~1000



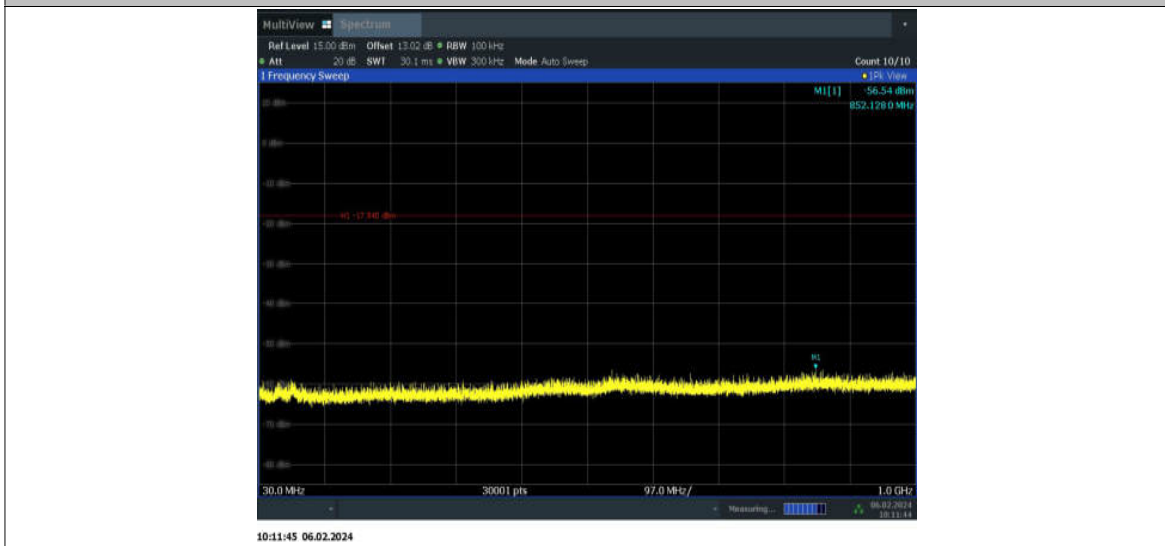
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11AX20MIMO_ANT5_2412_106Tone_RU53_0~Reference



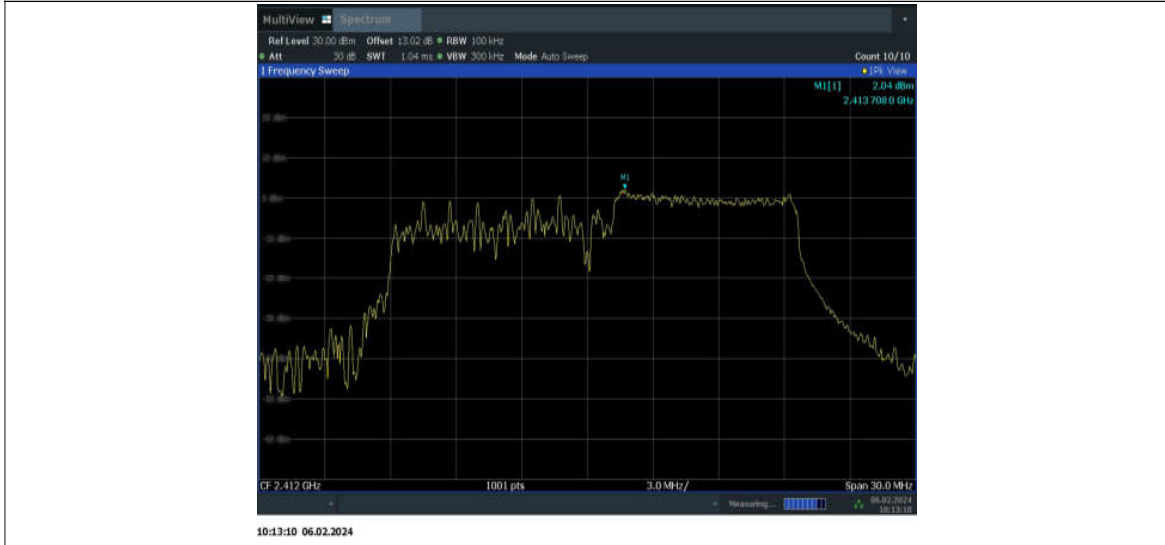
11AX20MIMO_ANT5_2412_106Tone_RU53_30~1000



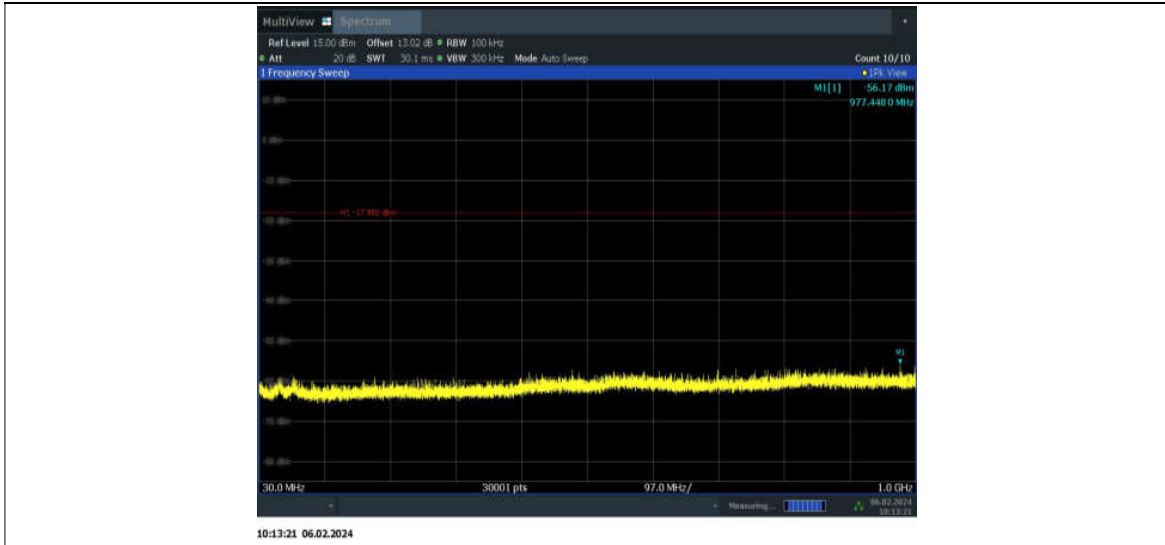
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11AX20MIMO_ANT5_2412_106Tone_RU54_0~Reference



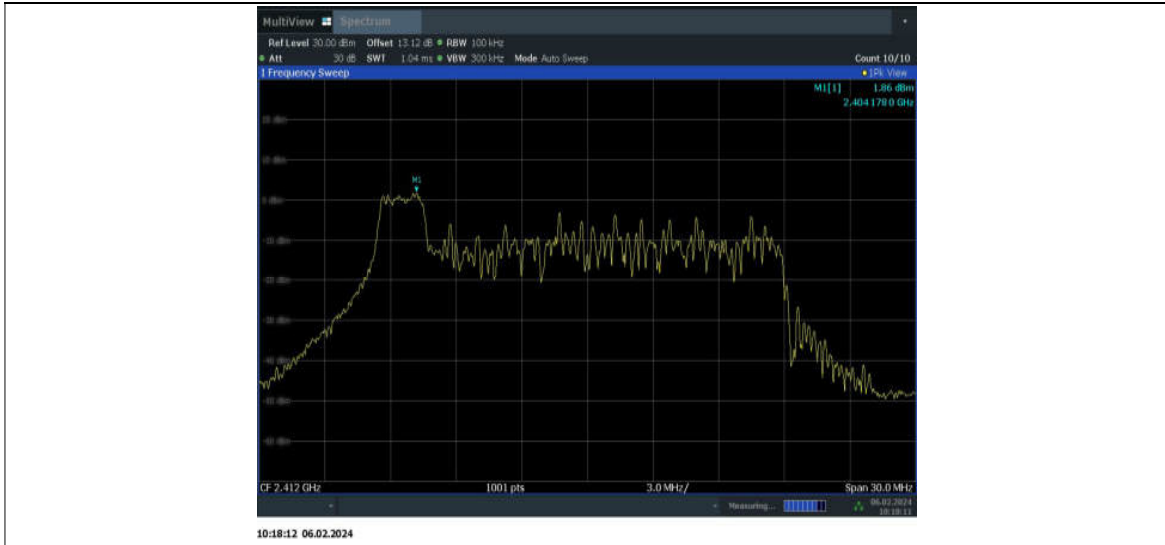
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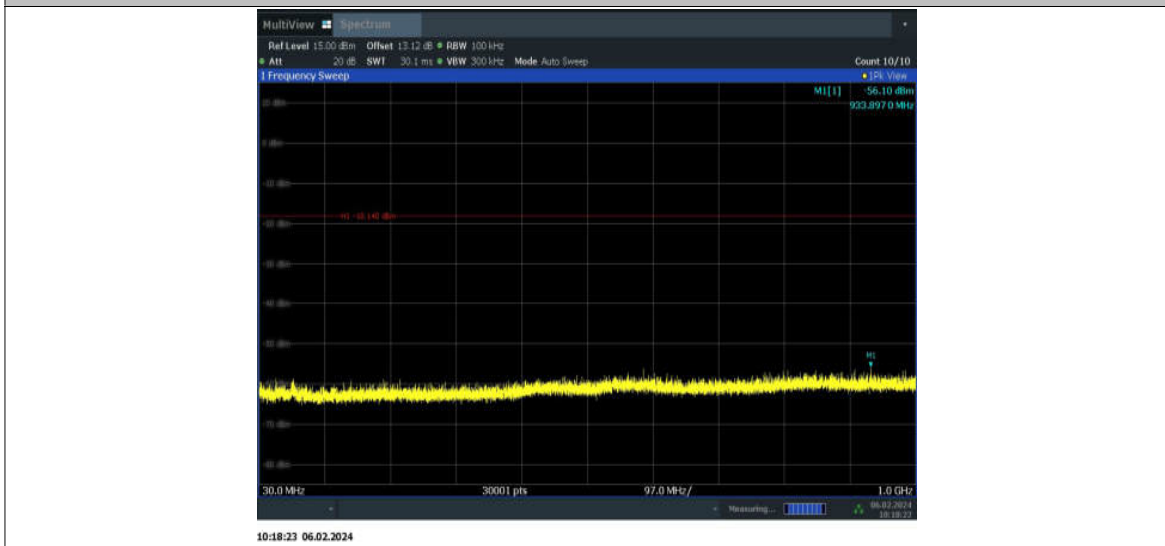
11AX20MIMO_ANT5_2412_106Tone_RU54_1000~26500



11AX20MIMO_ANT7_2412_26Tone_RU0_0~Reference



11AX20MIMO_ANT7_2412_26Tone_RU0_30~1000



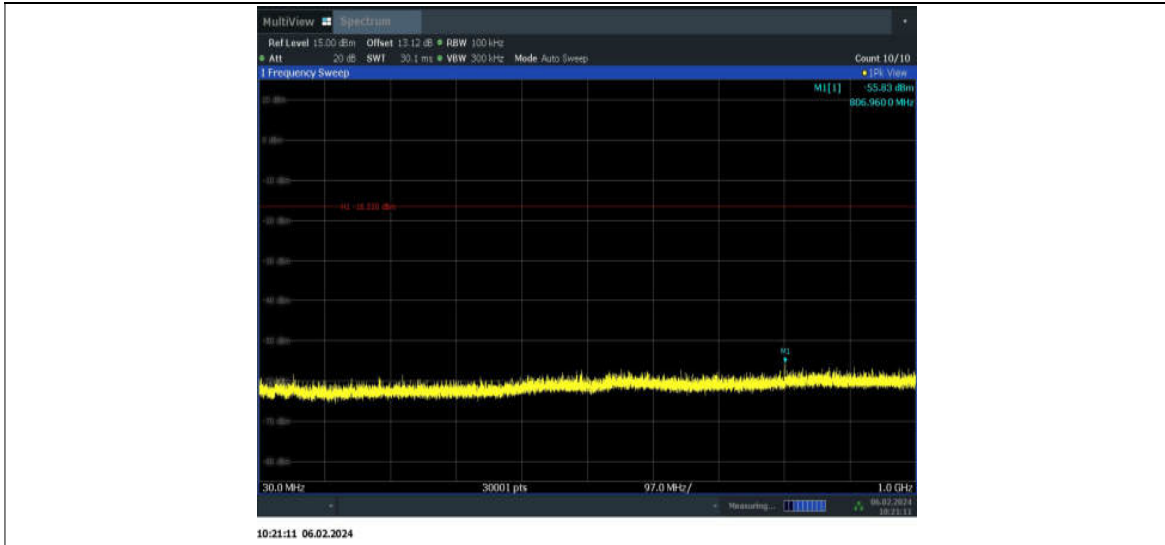
11AX20MIMO_ANT7_2412_26Tone_RU0_1000~26500



11AX20MIMO_ANT7_2412_26Tone_RU8_0-Reference



11AX20MIMO_ANT7_2412_26Tone_RU8_30~1000



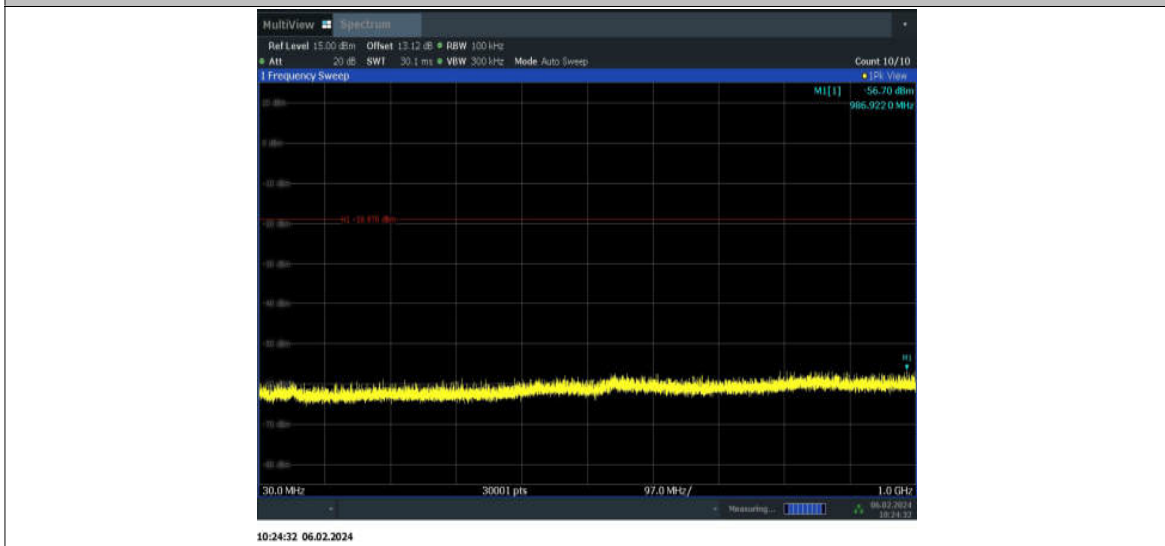
11AX20MIMO_ANT7_2412_26Tone_RU8_1000~26500



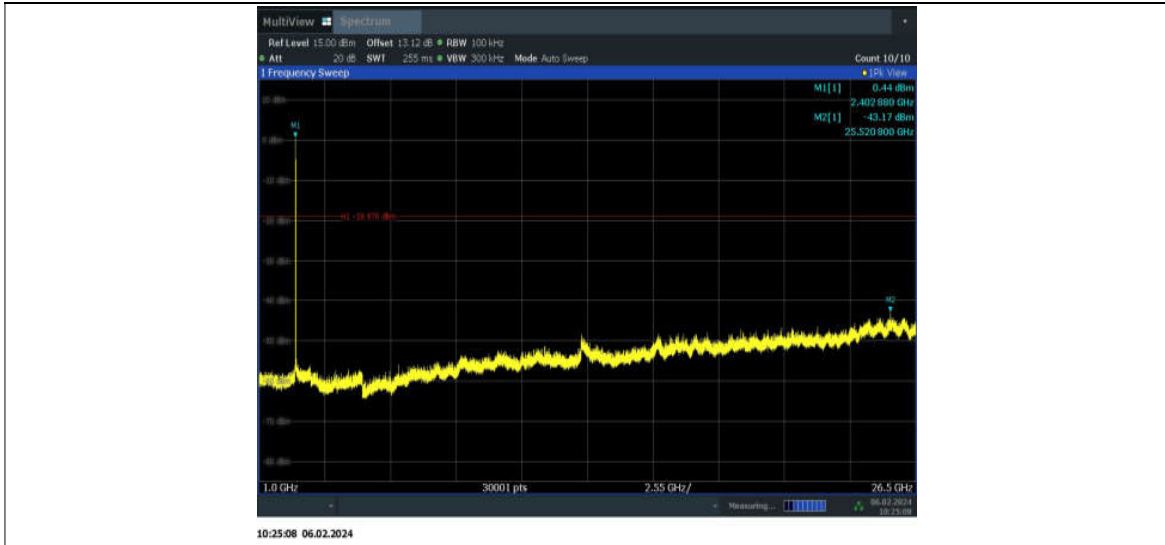
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11AX20MIMO_ANT7_2412_52Tone_RU37_30~1000



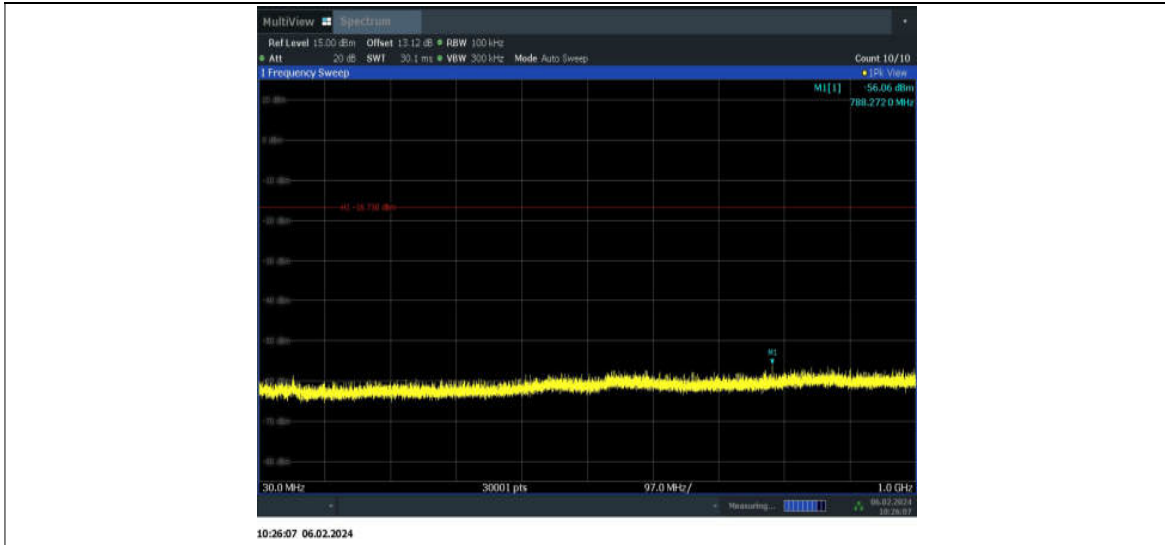
11AX20MIMO_ANT7_2412_52Tone_RU37_1000~26500



11AX20MIMO_ANT7_2412_52Tone_RU40_0~Reference



11AX20MIMO_ANT7_2412_52Tone_RU40_30~1000



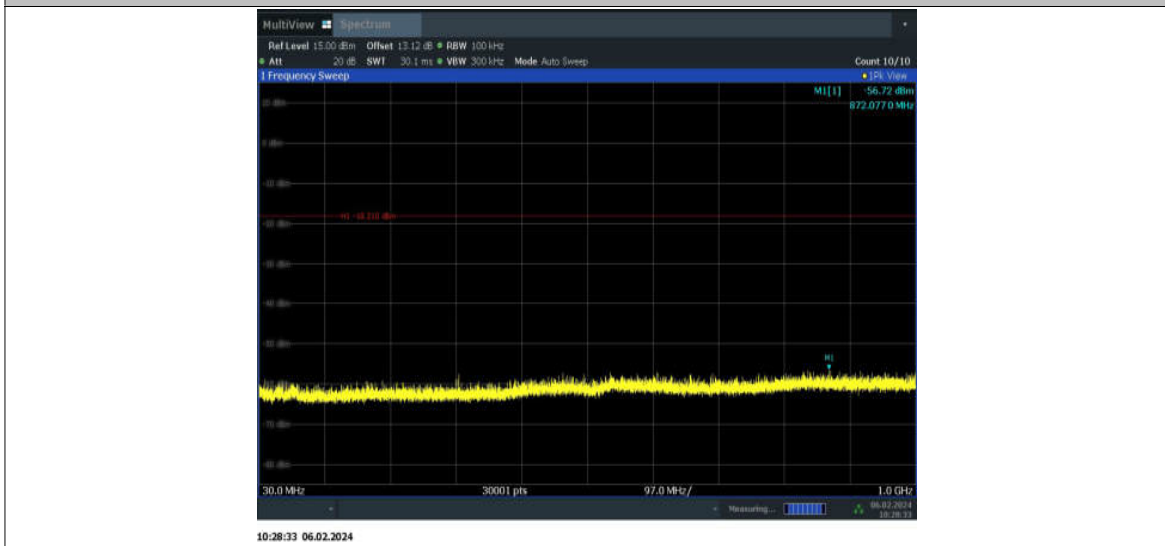
11AX20MIMO_ANT7_2412_52Tone_RU40_1000~26500



11AX20MIMO_ANT7_2412_106Tone_RU53_0~Reference



11AX20MIMO_ANT7_2412_106Tone_RU53_30~1000



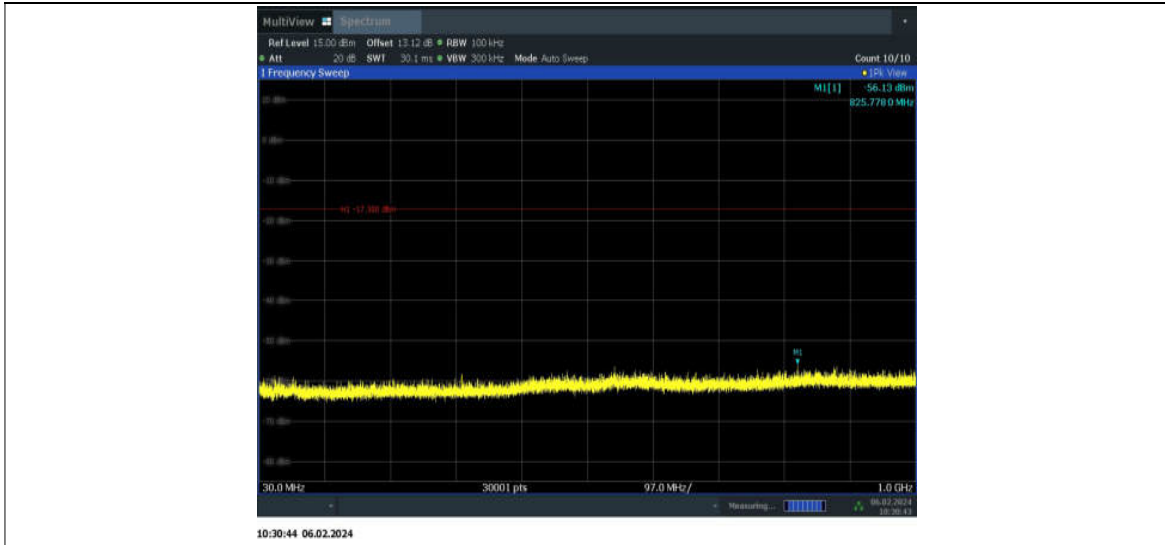
11AX20MIMO_ANT7_2412_106Tone_RU53_1000~26500



11AX20MIMO_ANT7_2412_106Tone_RU54_0~Reference



11AX20MIMO_ANT7_2412_106Tone_RU54_30~1000



11AX20MIMO_ANT7_2412_106Tone_RU54_1000~26500



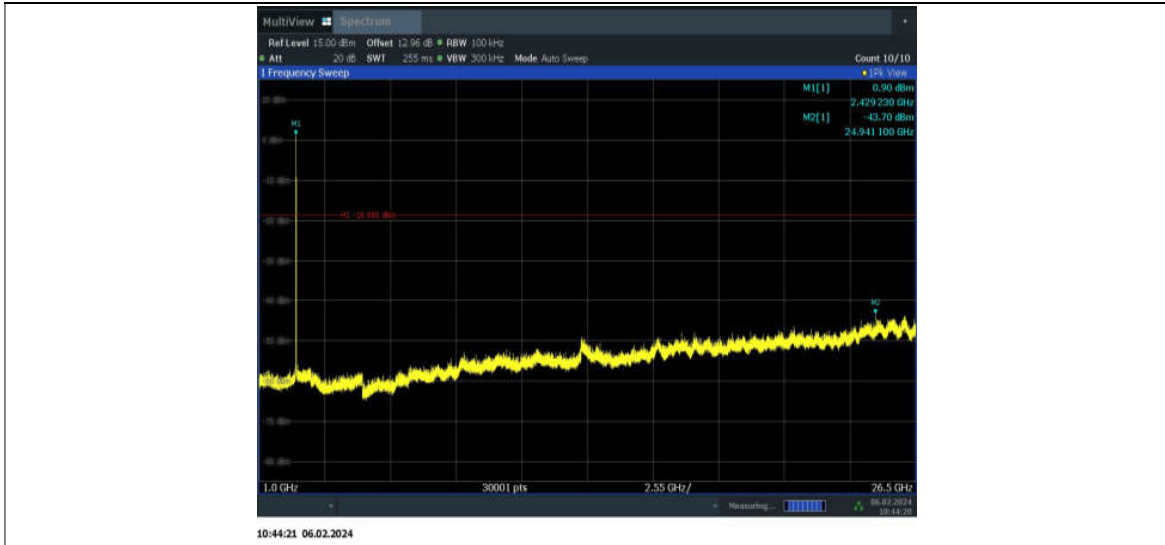
11AX20MIMO_ANT5_2437_26Tone_RU0_0~Reference



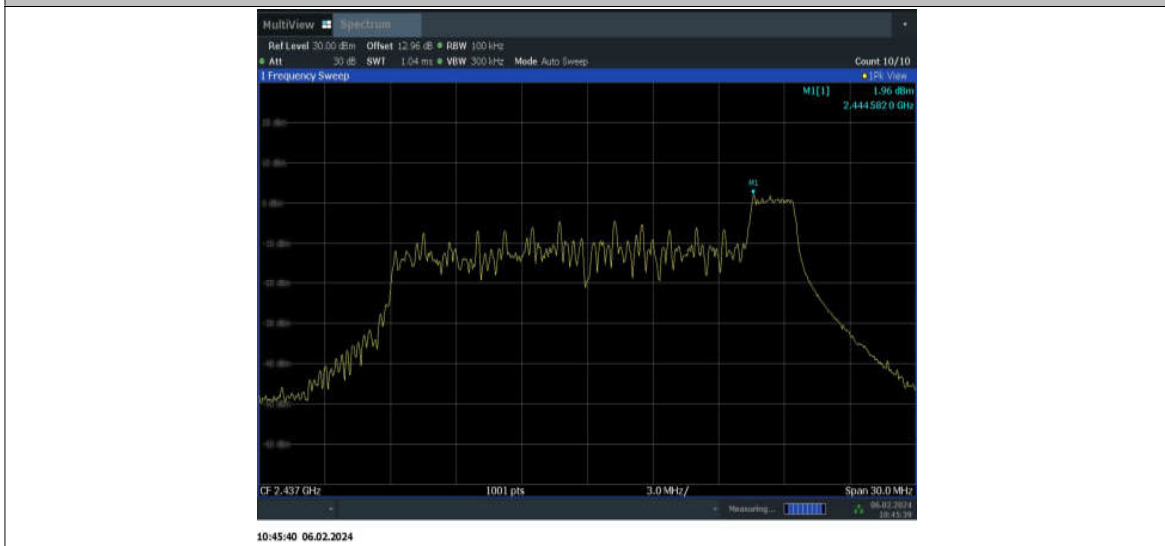
11AX20MIMO_ANT5_2437_26Tone_RU0_30~1000



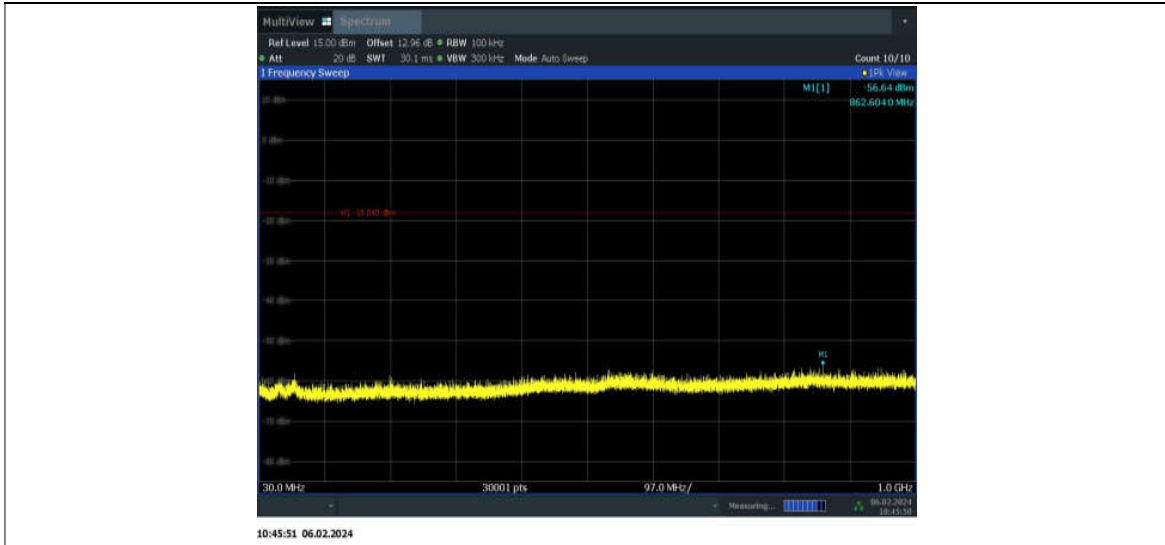
11AX20MIMO_ANT5_2437_26Tone_RU0_1000~26500



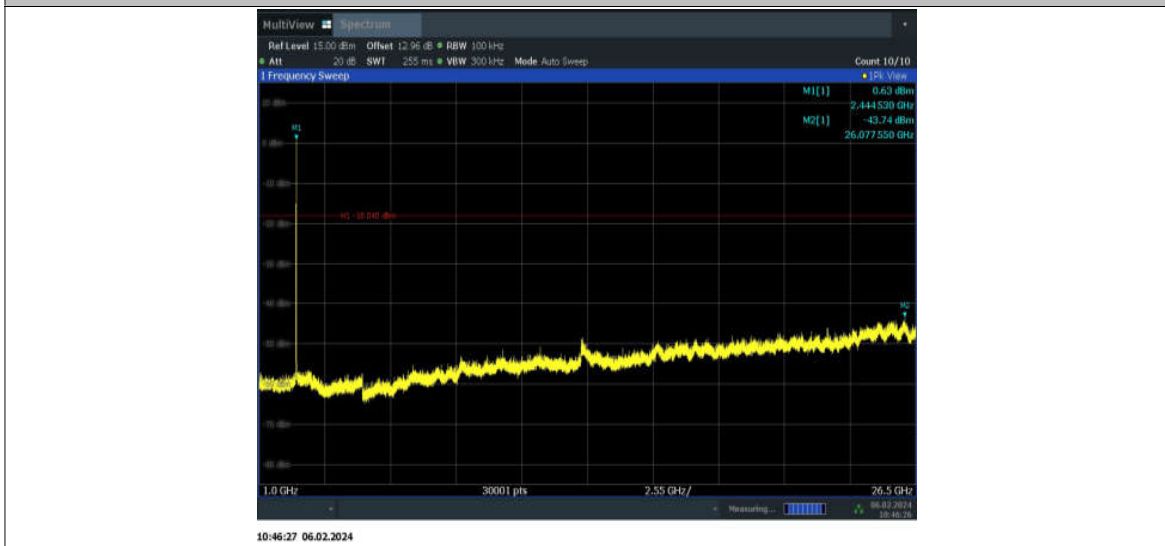
11AX20MIMO_ANT5_2437_26Tone_RU8_0-Reference



11AX20MIMO_ANT5_2437_26Tone_RU8_30~1000



11AX20MIMO_ANT5_2437_26Tone_RU8_1000~26500



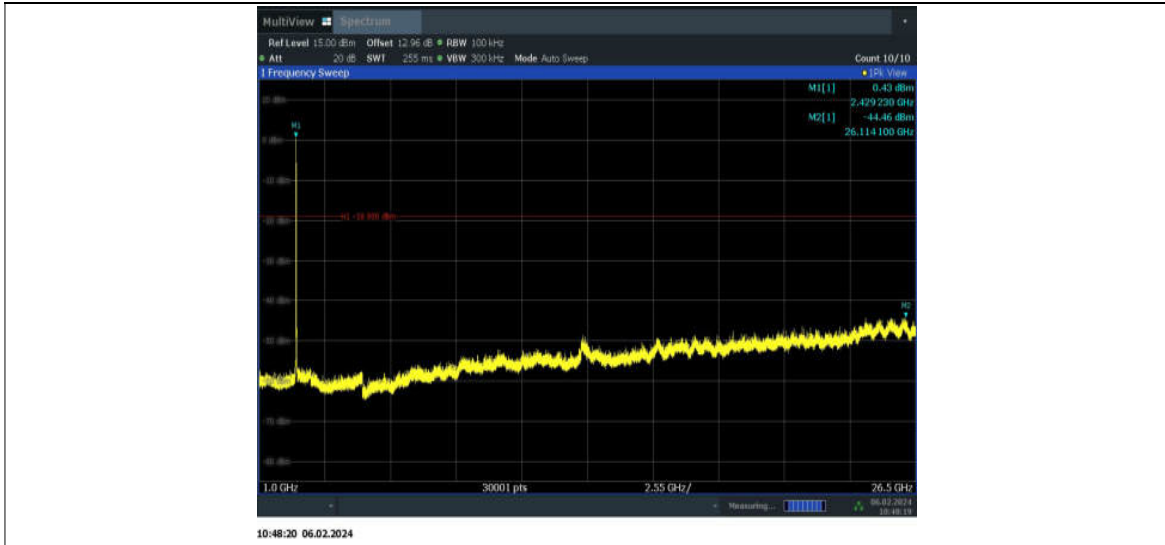
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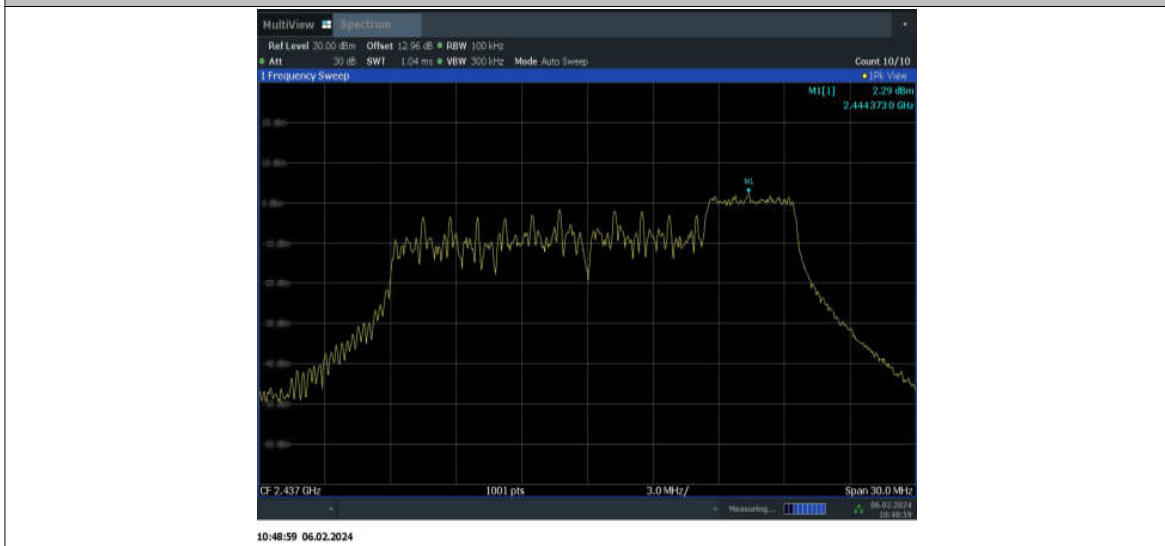
11AX20MIMO_ANT5_2437_52Tone_RU37_30~1000



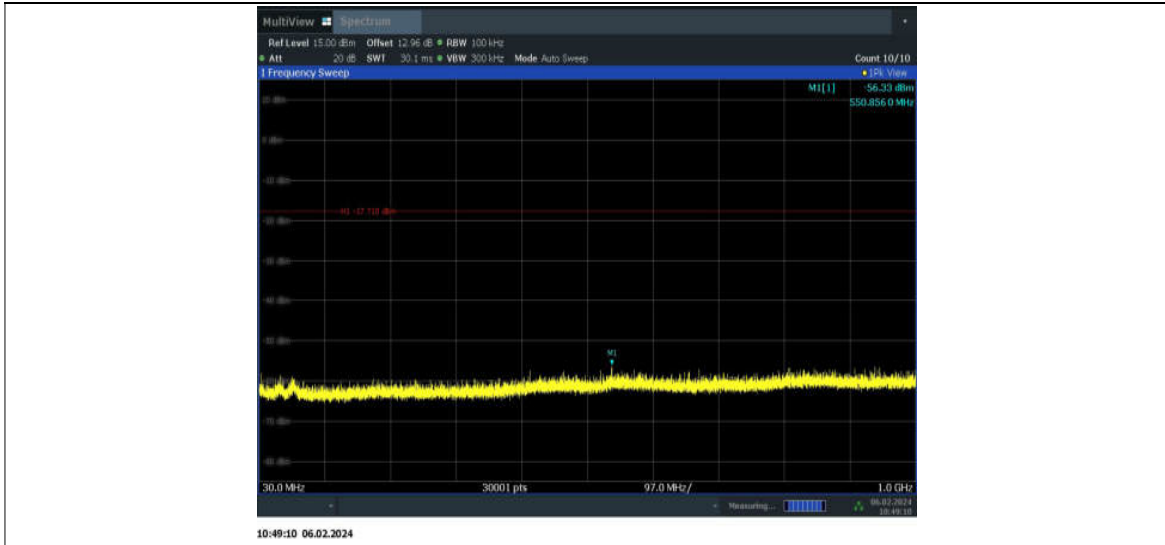
11AX20MIMO_ANT5_2437_52Tone_RU37_1000~26500



11AX20MIMO_ANT5_2437_52Tone_RU40_0~Reference



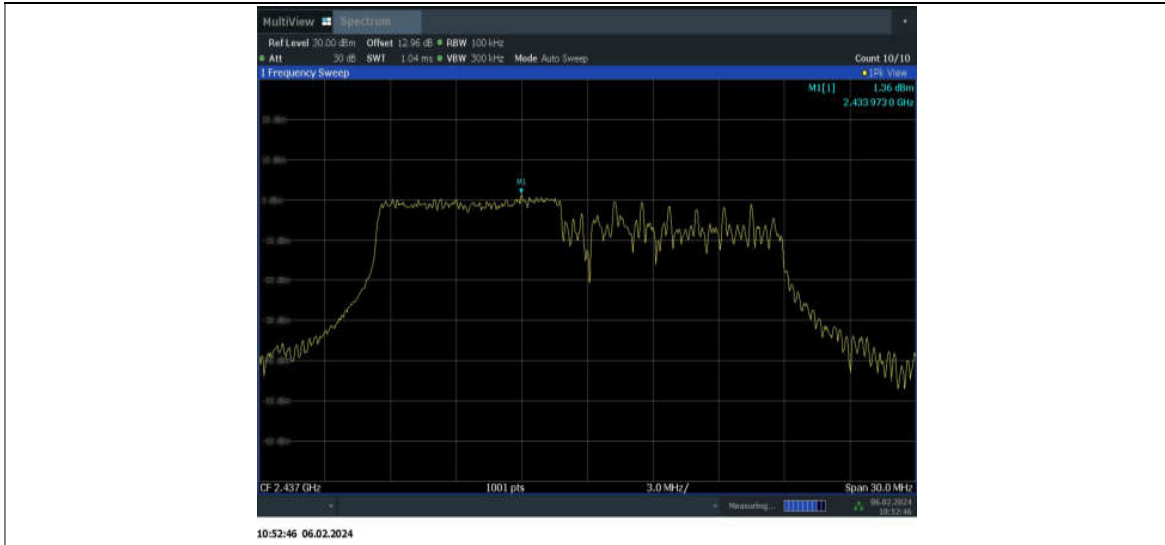
11AX20MIMO_ANT5_2437_52Tone_RU40_30~1000



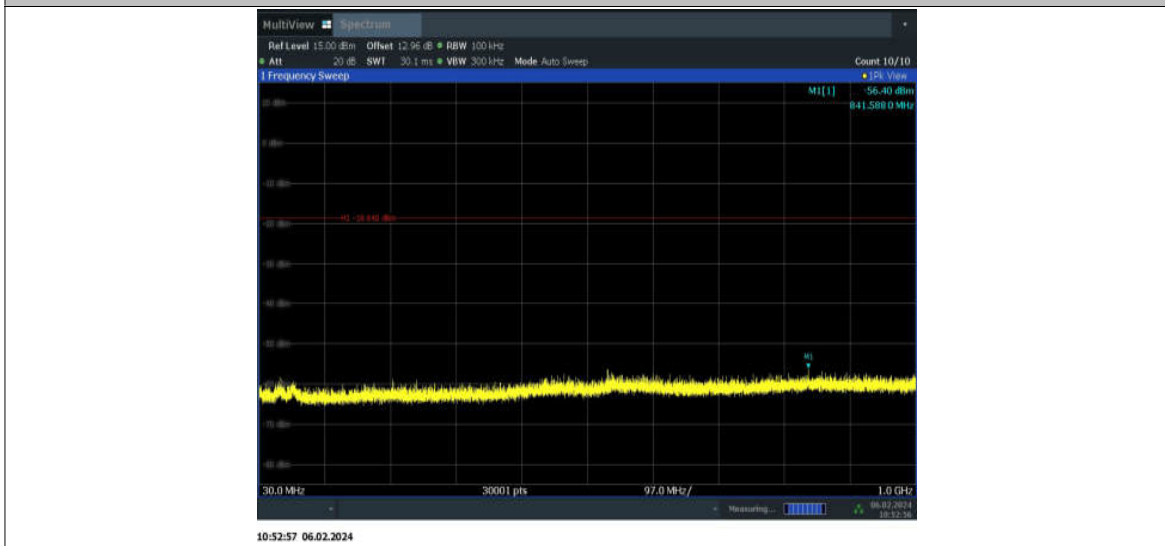
11AX20MIMO_ANT5_2437_52Tone_RU40_1000~26500



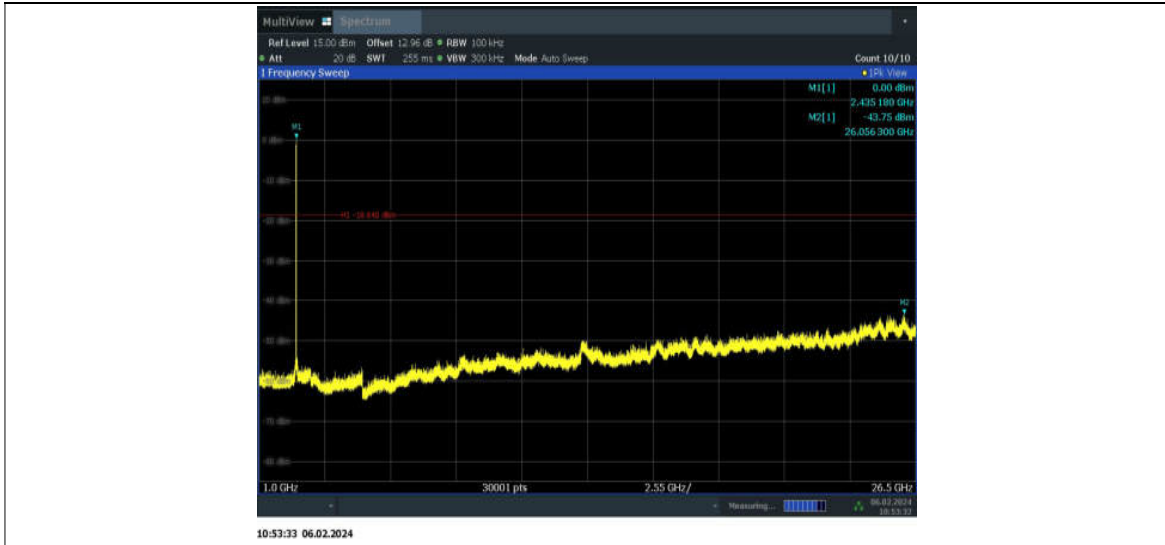
11AX20MIMO_ANT5_2437_106Tone_RU53_0~Reference



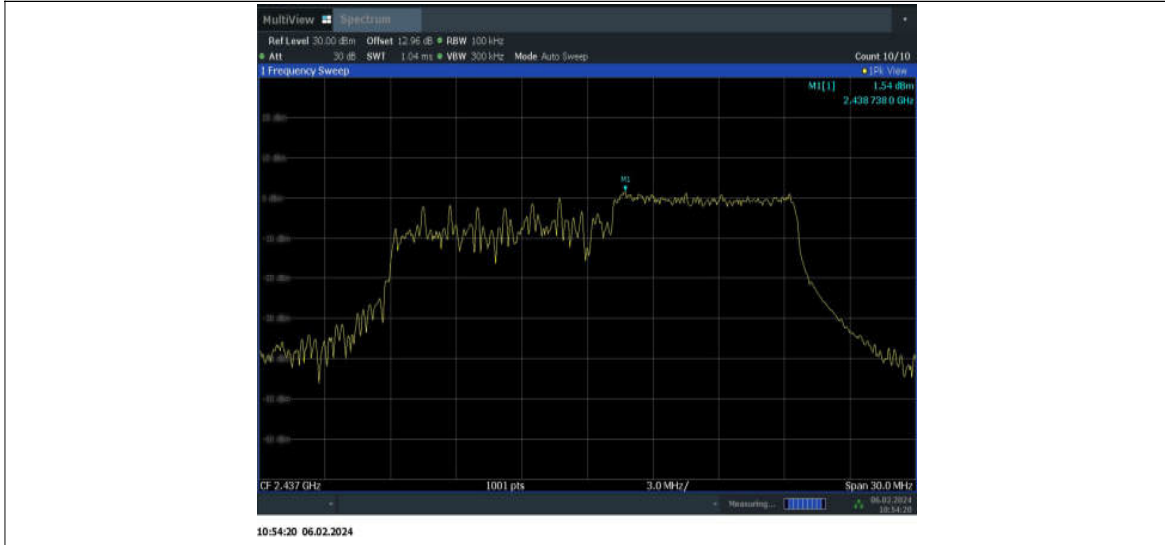
11AX20MIMO_ANT5_2437_106Tone_RU53_30~1000



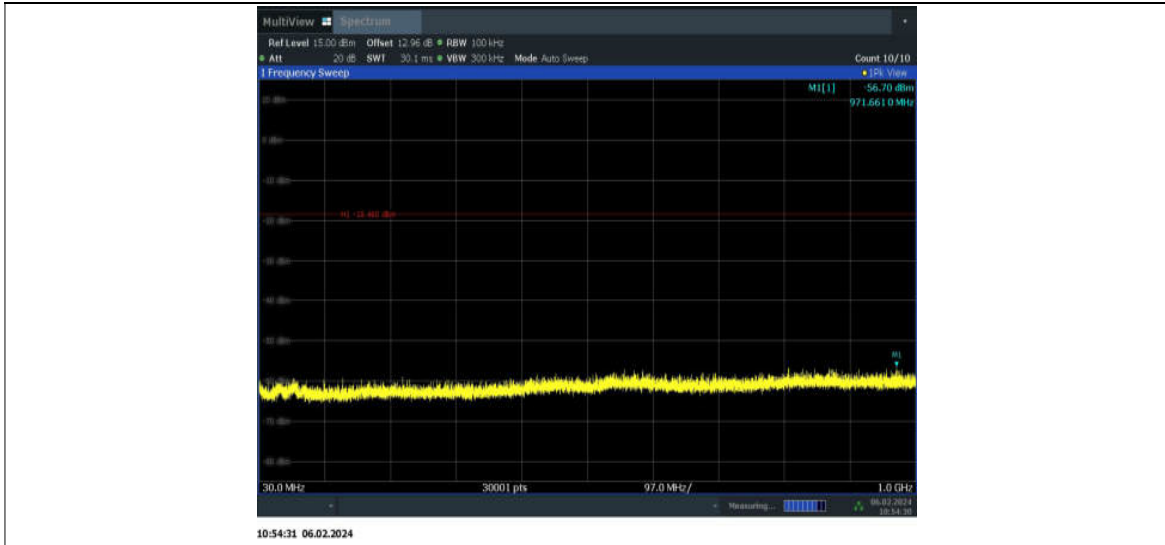
11AX20MIMO_ANT5_2437_106Tone_RU53_1000~26500



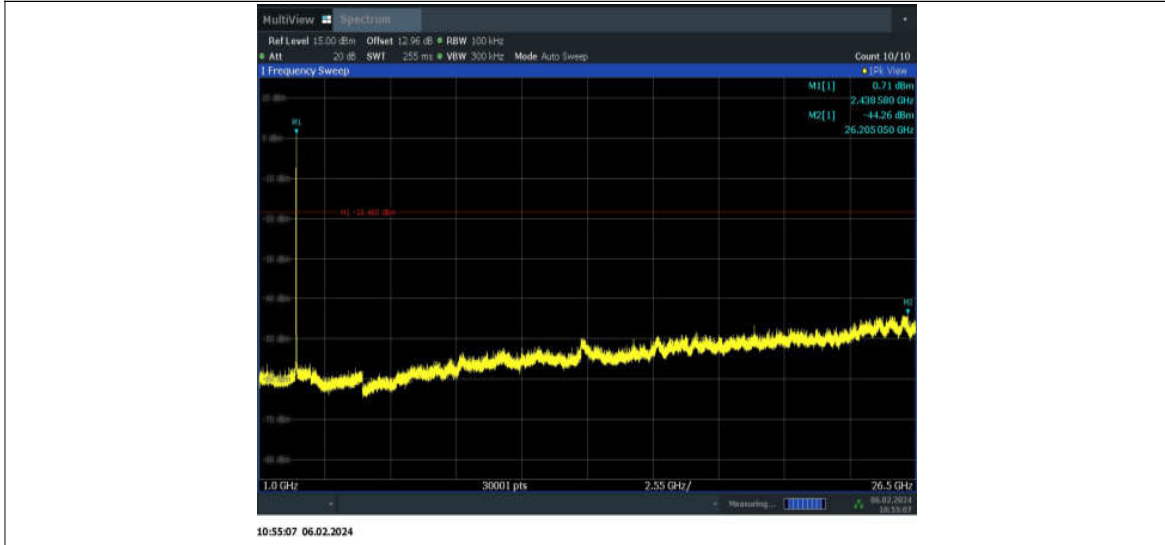
11AX20MIMO_ANT5_2437_106Tone_RU54_0~Reference



11AX20MIMO_ANT5_2437_106Tone_RU54_30~1000



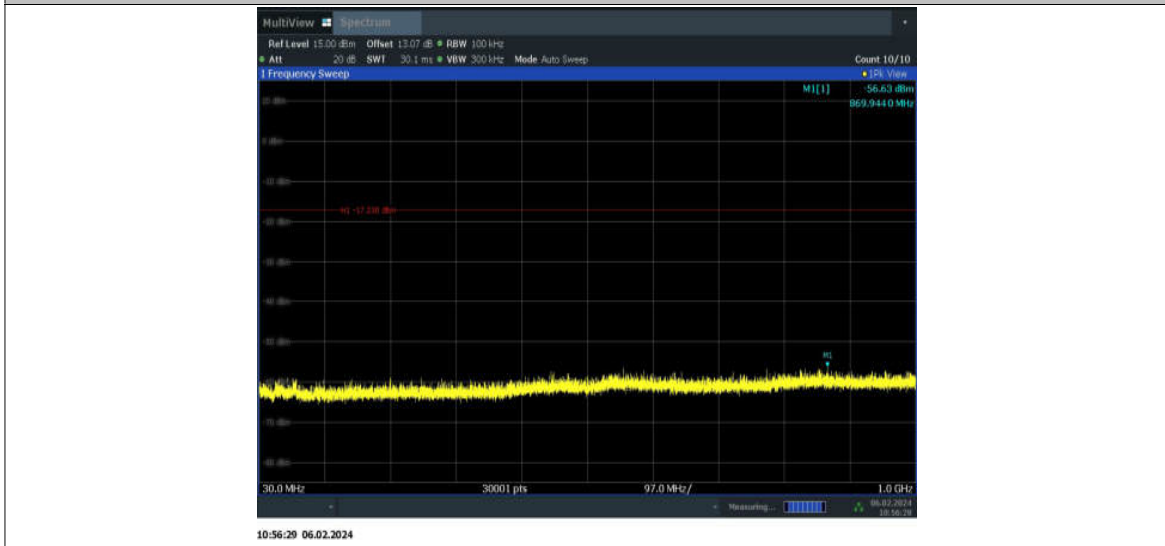
11AX20MIMO_ANT5_2437_106Tone_RU54_1000~26500



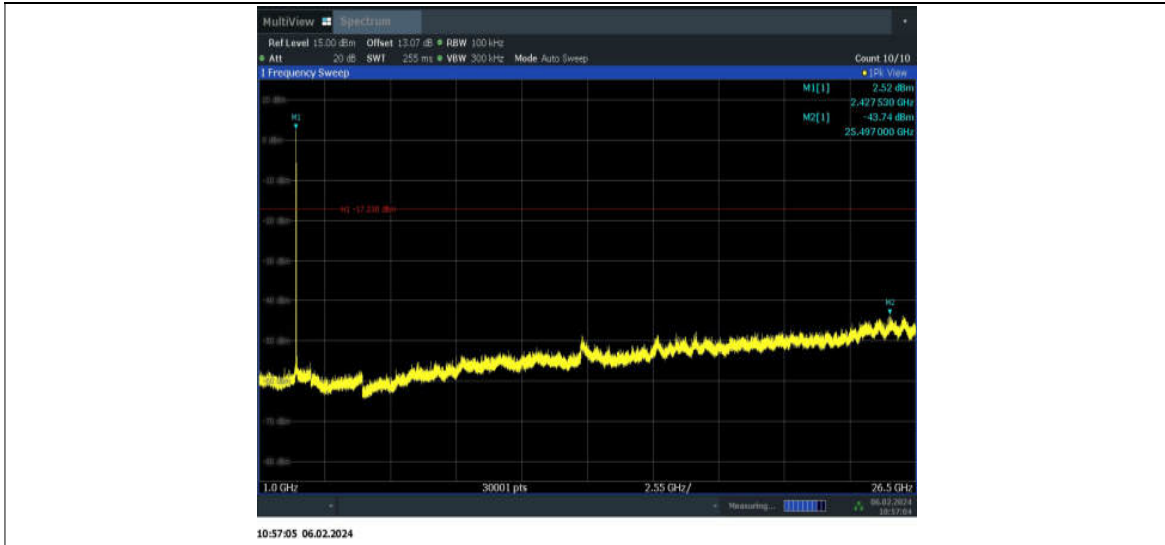
11AX20MIMO_ANT7_2437_26Tone_RU0_0~Reference



11AX20MIMO_ANT7_2437_26Tone_RU0_30~1000



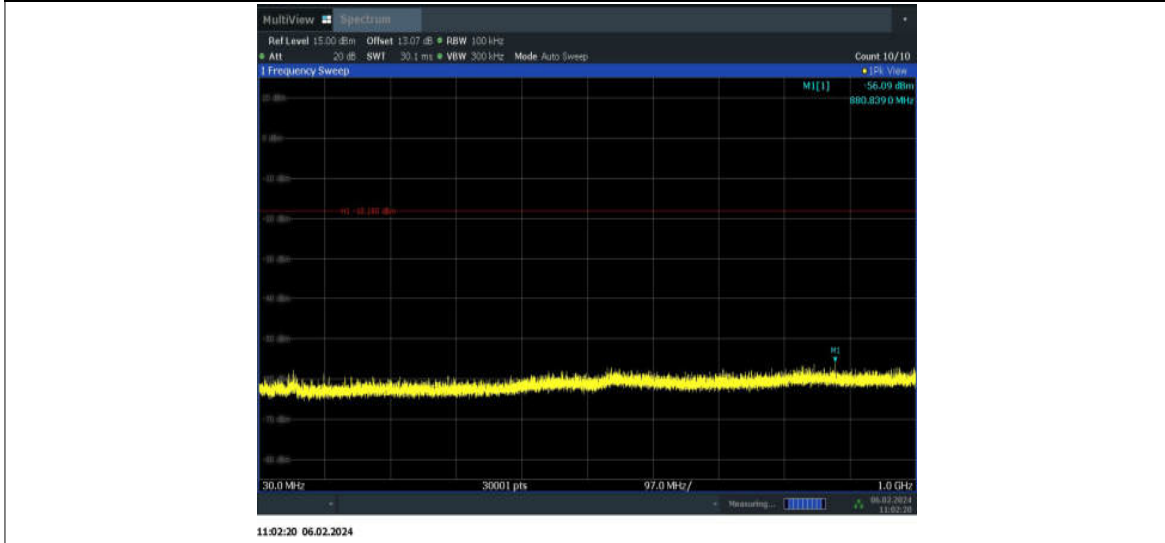
11AX20MIMO_ANT7_2437_26Tone_RU0_1000~26500



11AX20MIMO_ANT7_2437_26Tone_RU8_0-Reference



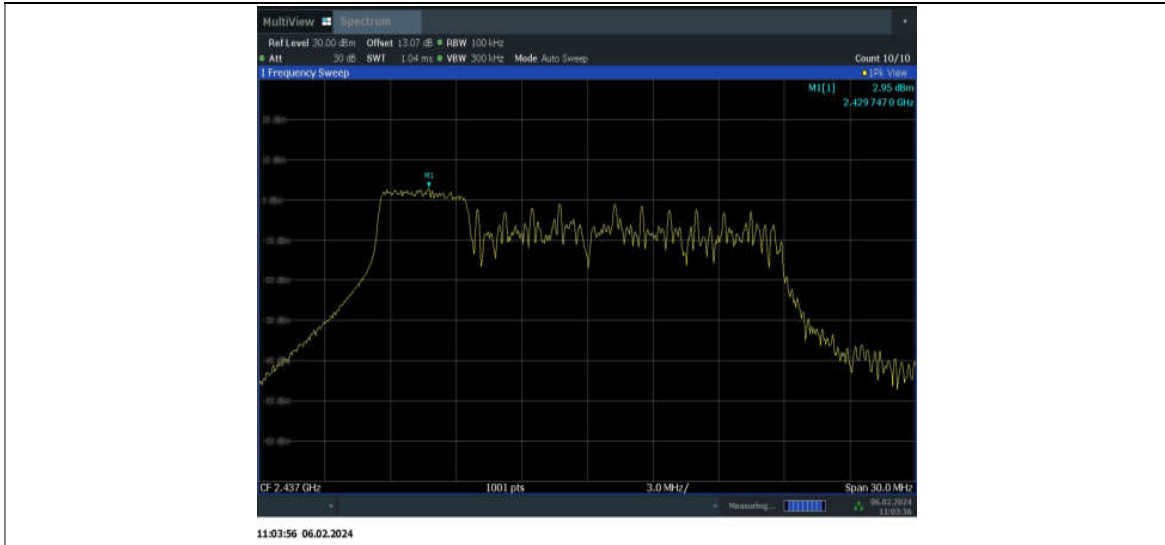
11AX20MIMO_ANT7_2437_26Tone_RU8_30~1000



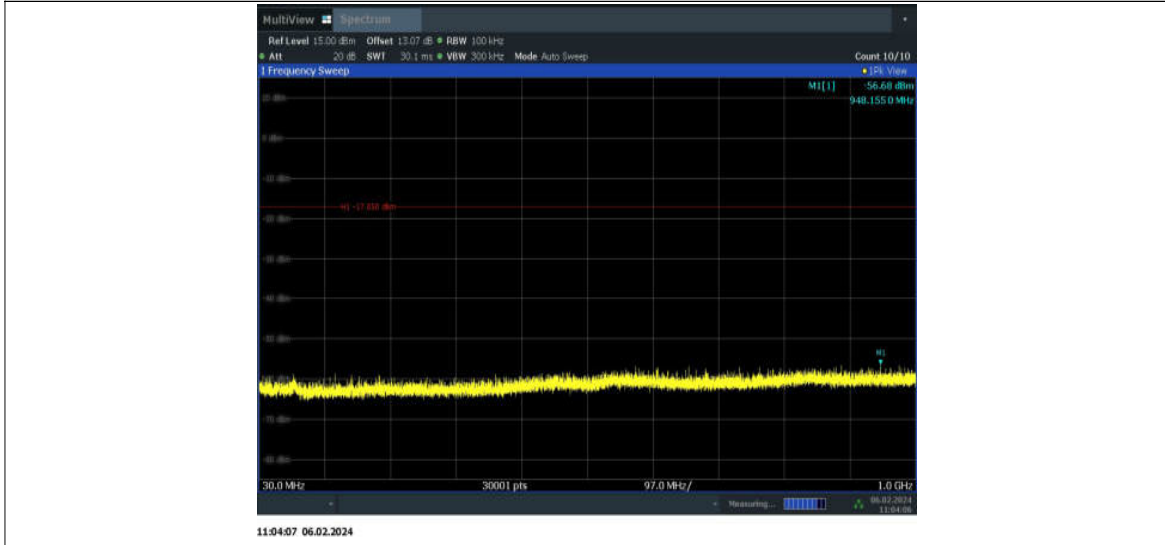
11AX20MIMO_ANT7_2437_26Tone_RU8_1000~26500



11AX20MIMO_ANT7_2437_52Tone_RU37_0~Reference



11AX20MIMO_ANT7_2437_52Tone_RU37_30~1000



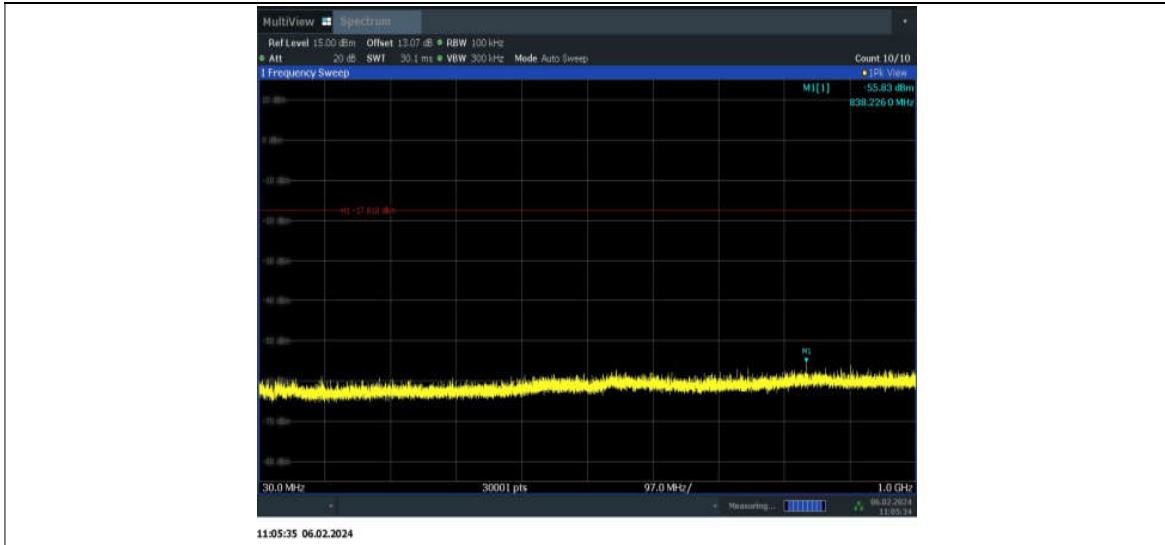
11AX20MIMO_ANT7_2437_52Tone_RU37_1000~26500



11AX20MIMO_ANT7_2437_52Tone_RU40_0~Reference



11AX20MIMO_ANT7_2437_52Tone_RU40_30~1000



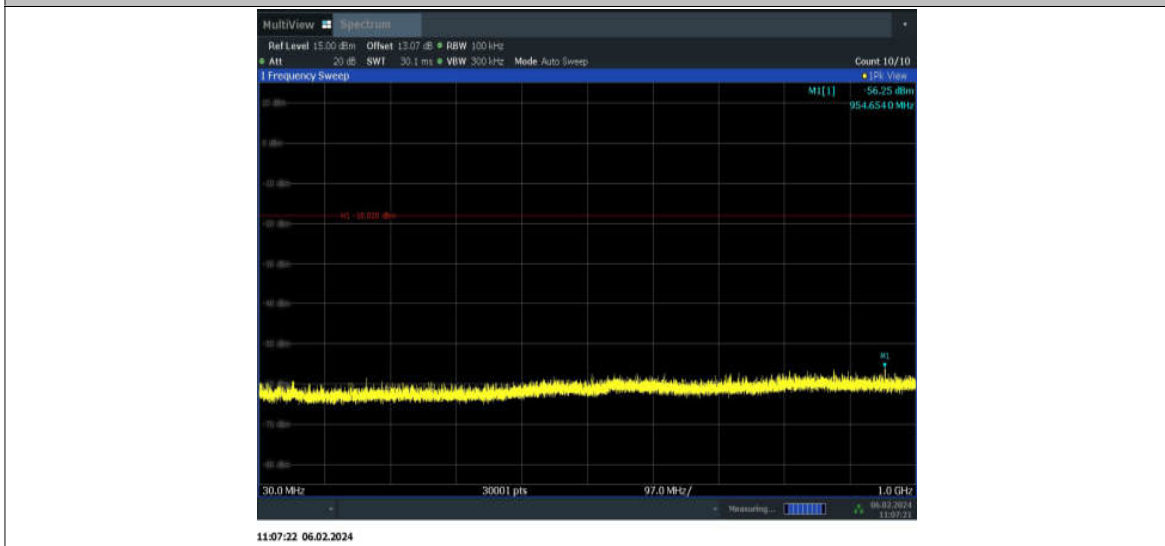
11AX20MIMO_ANT7_2437_52Tone_RU40_1000~26500



11AX20MIMO_ANT7_2437_106Tone_RU53_0~Reference



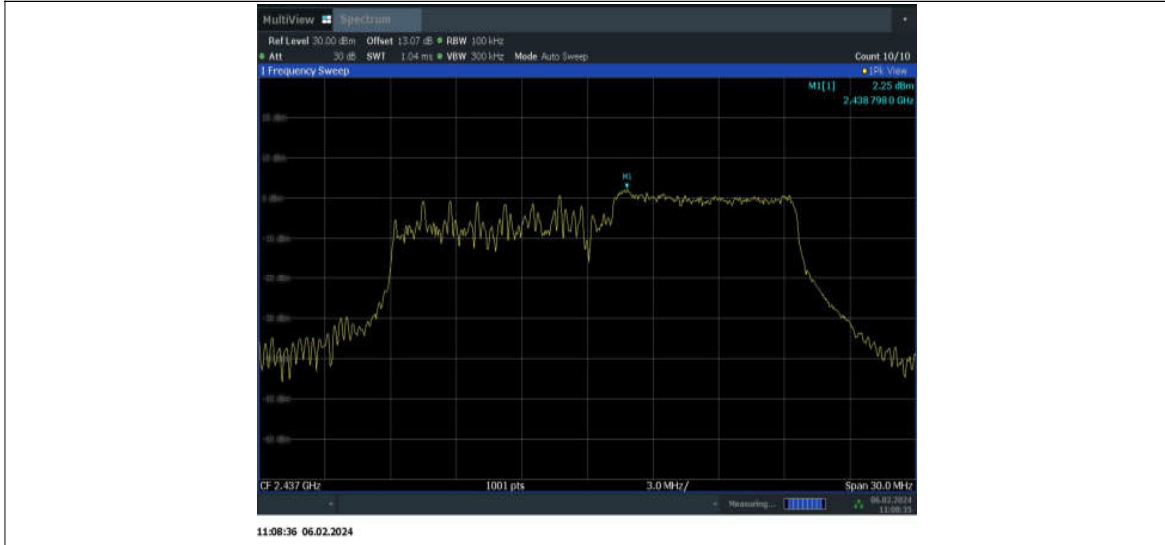
11AX20MIMO_ANT7_2437_106Tone_RU53_30~1000



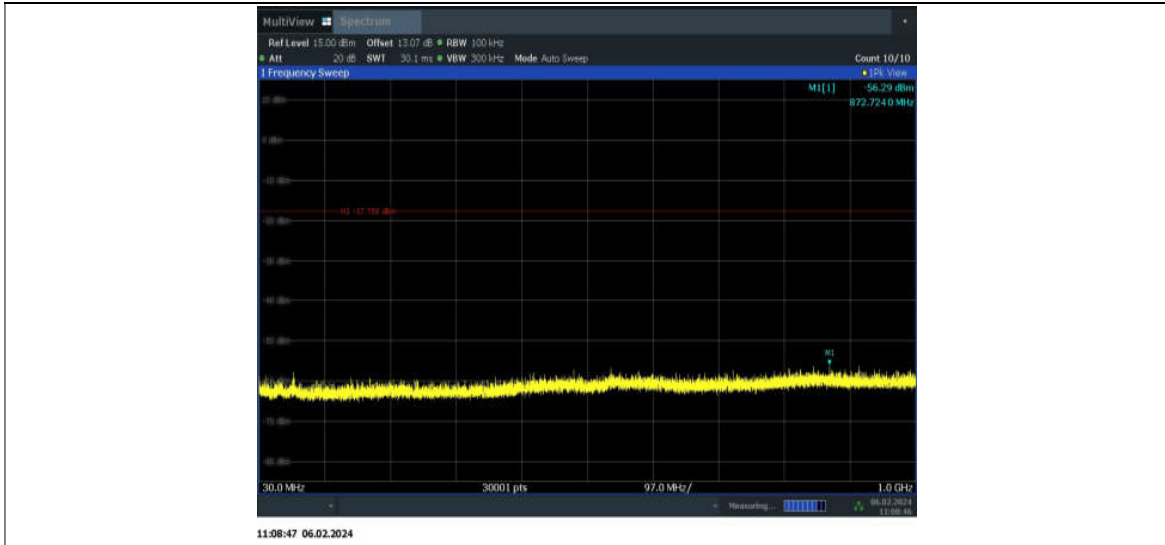
11AX20MIMO_ANT7_2437_106Tone_RU53_1000~26500



11AX20MIMO_ANT7_2437_106Tone_RU54_0~Reference



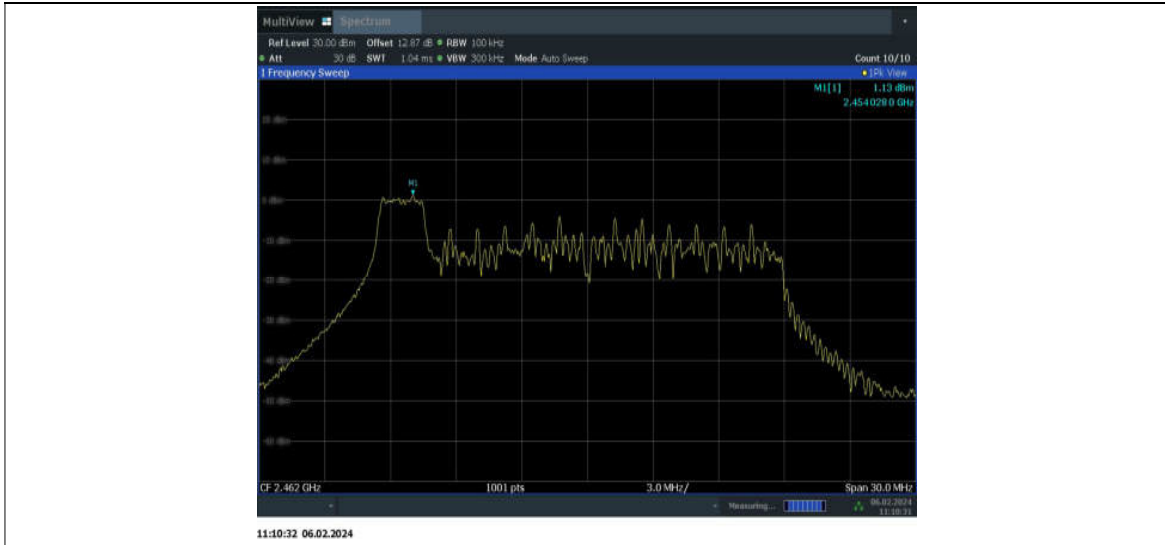
11AX20MIMO_ANT7_2437_106Tone_RU54_30~1000



11AX20MIMO_ANT7_2437_106Tone_RU54_1000~26500



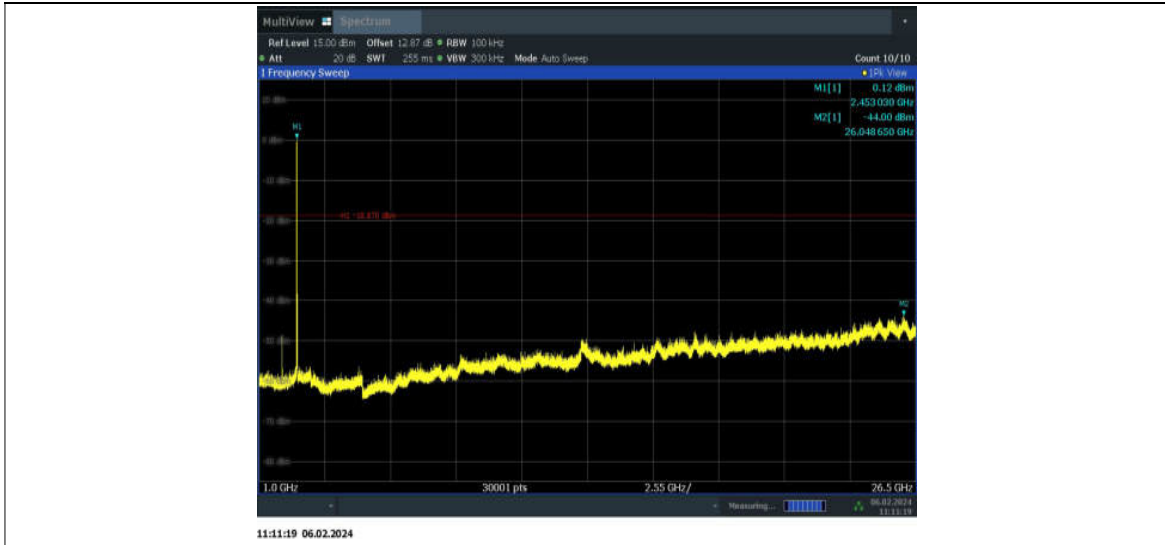
11AX20MIMO_ANT5_2462_26Tone_RU0_0~Reference



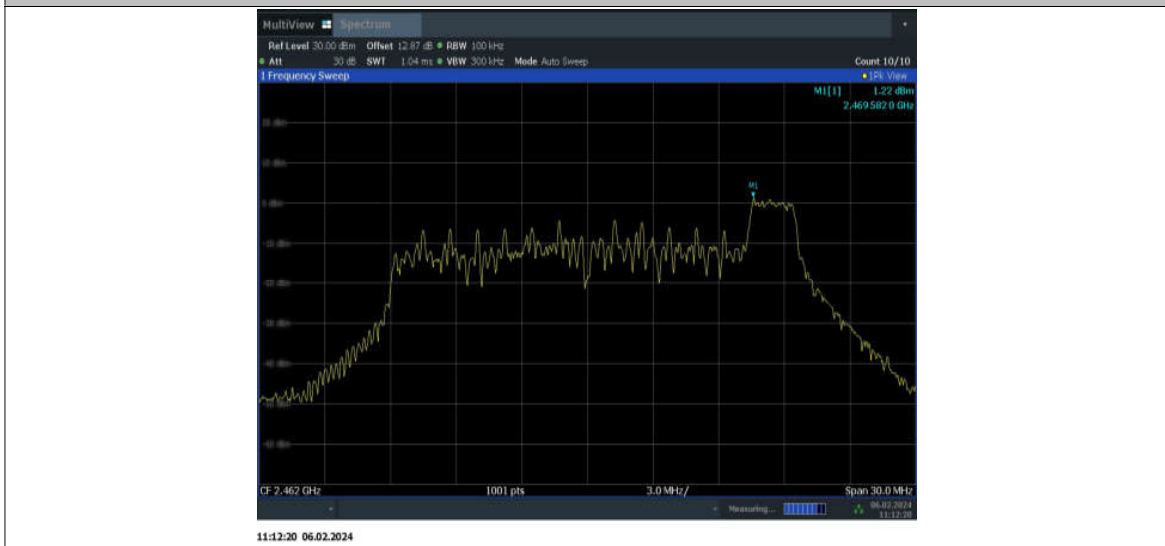
11AX20MIMO_ANT5_2462_26Tone_RU0_30~1000



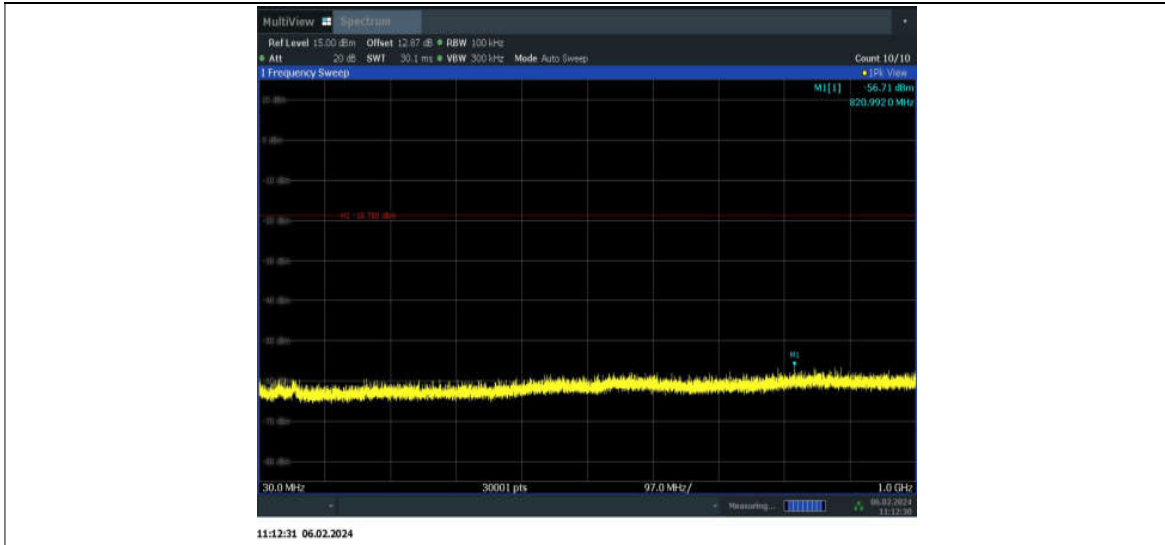
11AX20MIMO_ANT5_2462_26Tone_RU0_1000~26500



11AX20MIMO_ANT5_2462_26Tone_RU8_0-Reference



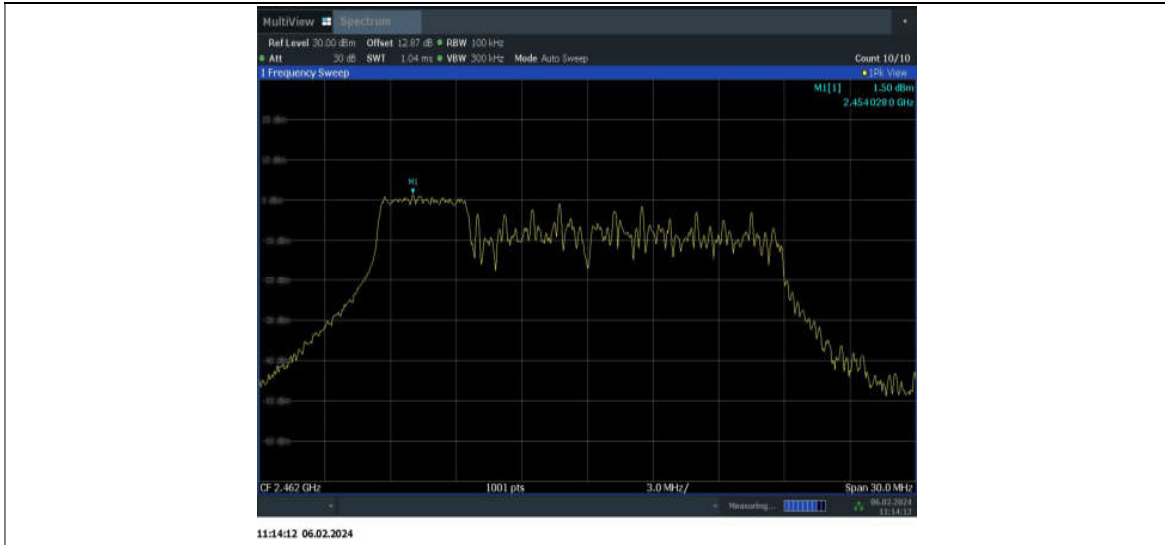
11AX20MIMO_ANT5_2462_26Tone_RU8_30~1000



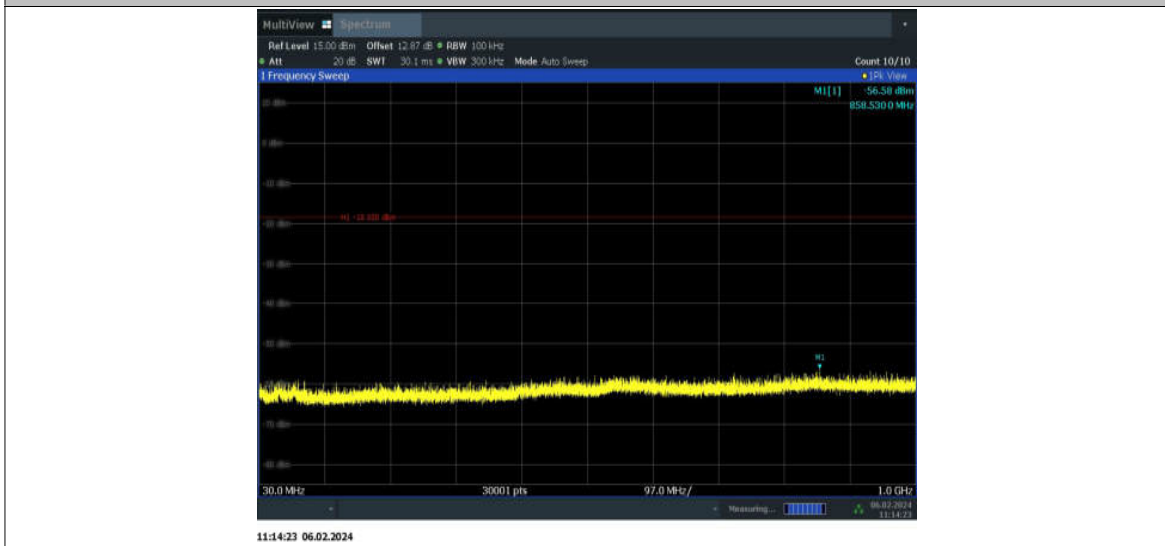
11AX20MIMO_ANT5_2462_26Tone_RU8_1000~26500



11AX20MIMO_ANT5_2462_52Tone_RU37_0~Reference



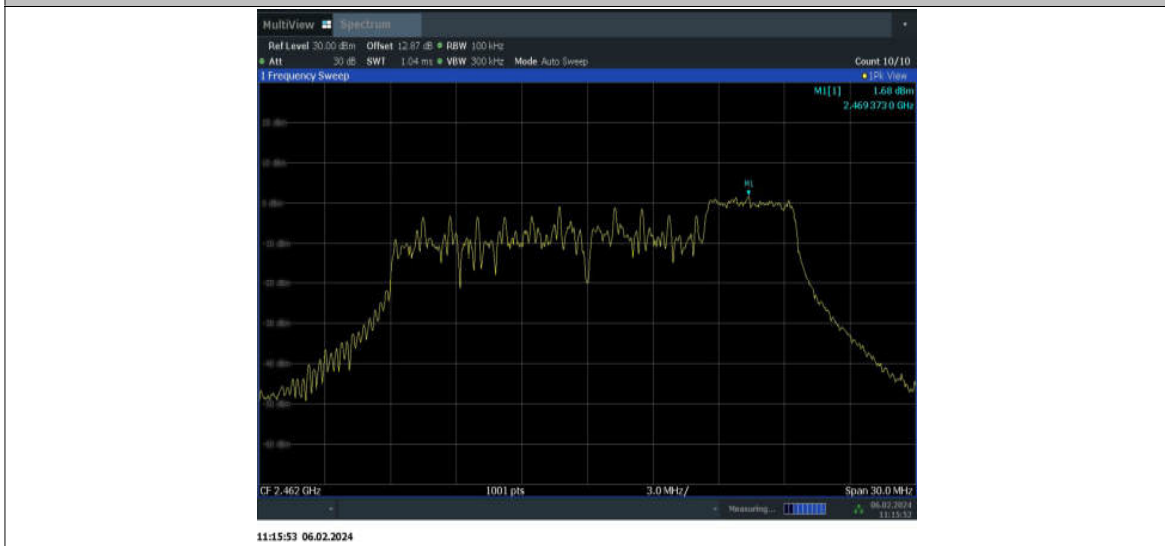
11AX20MIMO_ANT5_2462_52Tone_RU37_30~1000



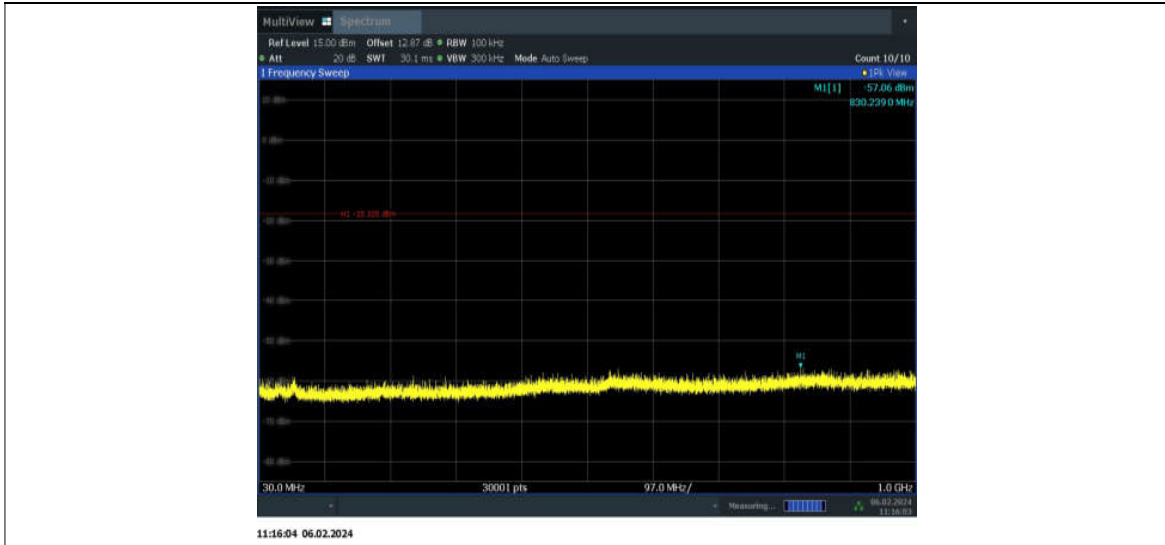
11AX20MIMO_ANT5_2462_52Tone_RU37_1000~26500



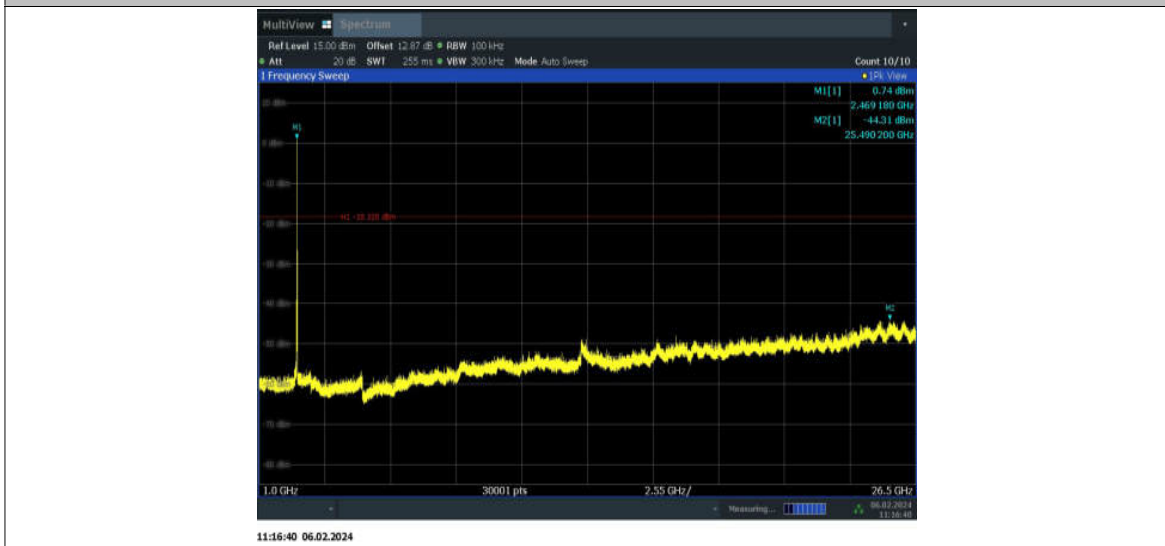
11AX20MIMO_ANT5_2462_52Tone_RU40_0~Reference



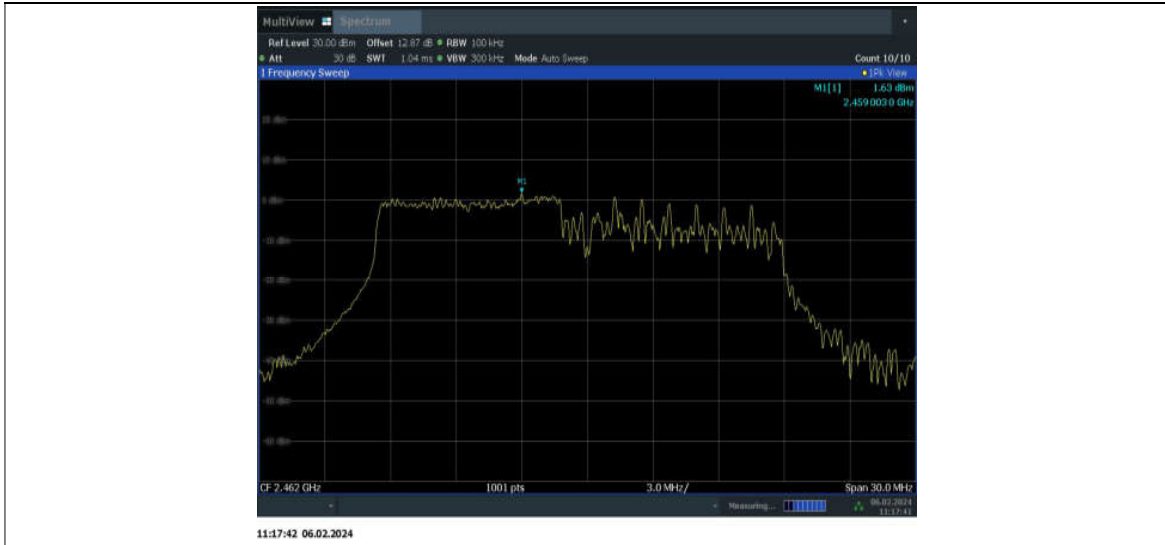
11AX20MIMO_ANT5_2462_52Tone_RU40_30~1000



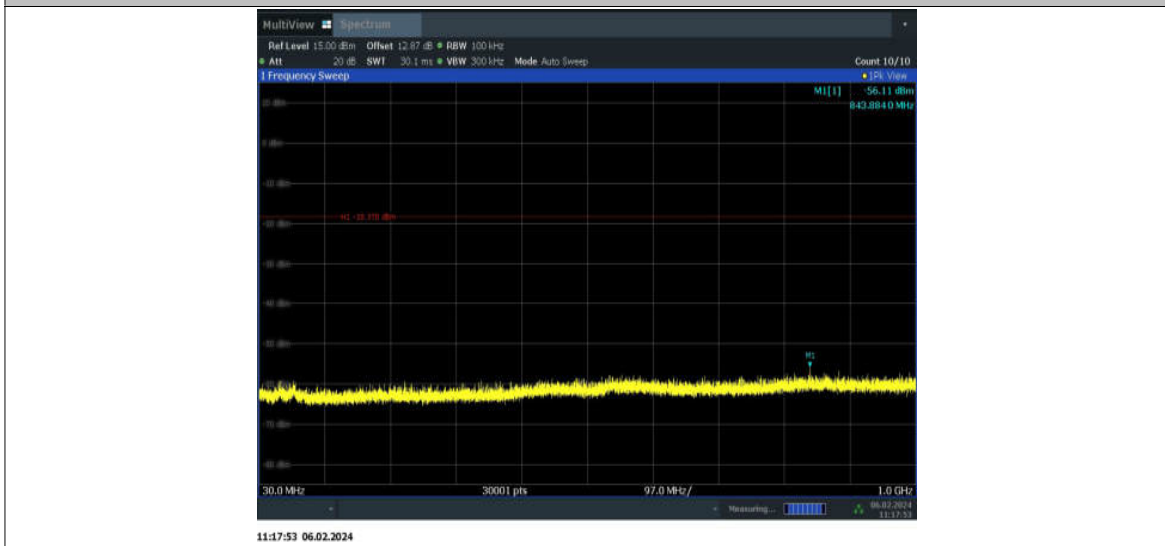
11AX20MIMO_ANT5_2462_52Tone_RU40_1000~26500



11AX20MIMO_ANT5_2462_106Tone_RU53_0~Reference



11AX20MIMO_ANT5_2462_106Tone_RU53_30~1000



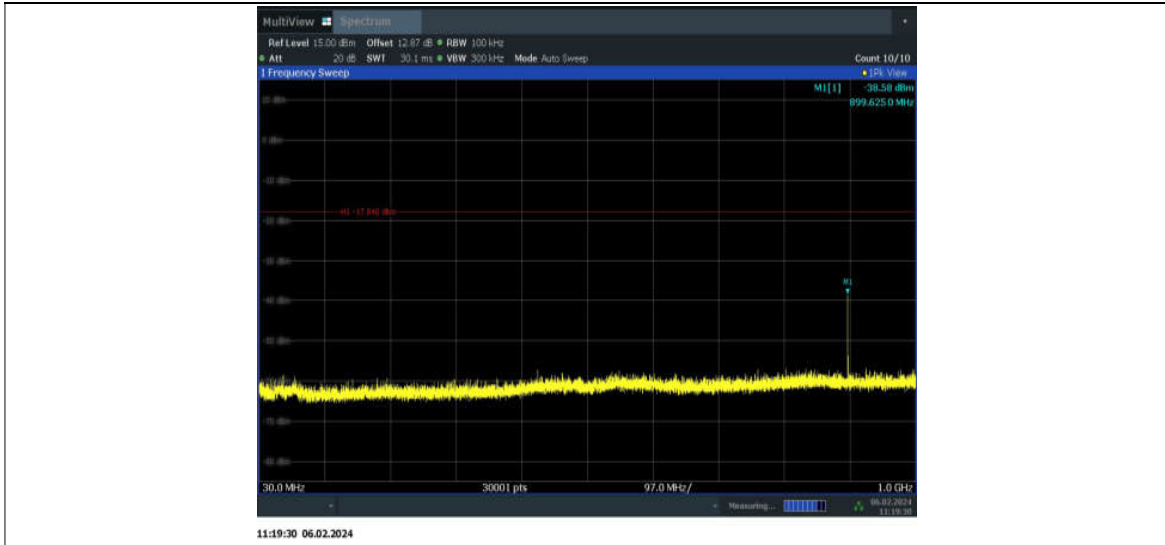
11AX20MIMO_ANT5_2462_106Tone_RU53_1000~26500



11AX20MIMO_ANT5_2462_106Tone_RU54_0~Reference



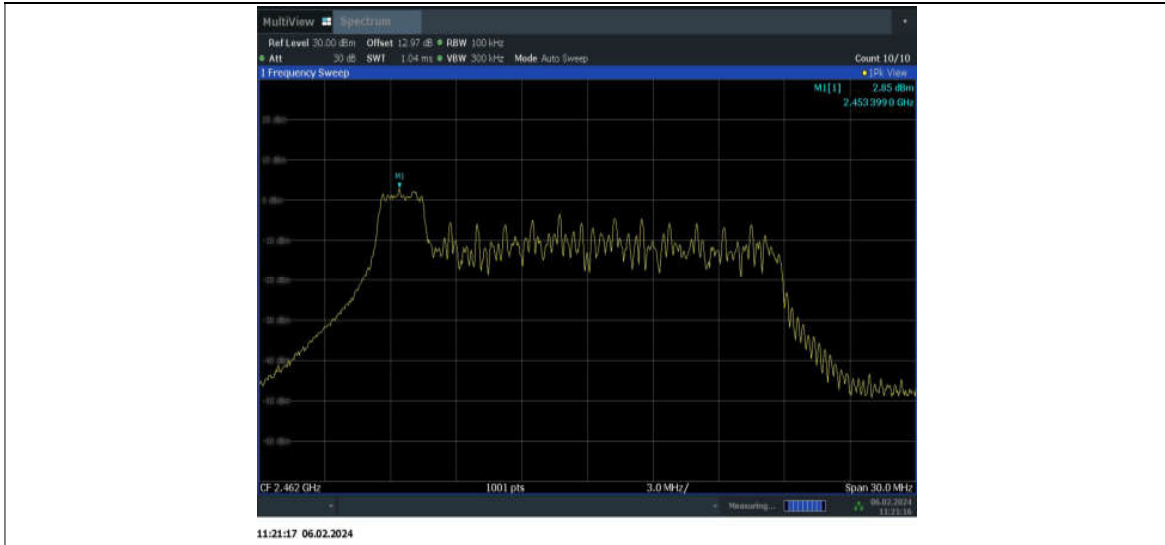
11AX20MIMO_ANT5_2462_106Tone_RU54_30~1000



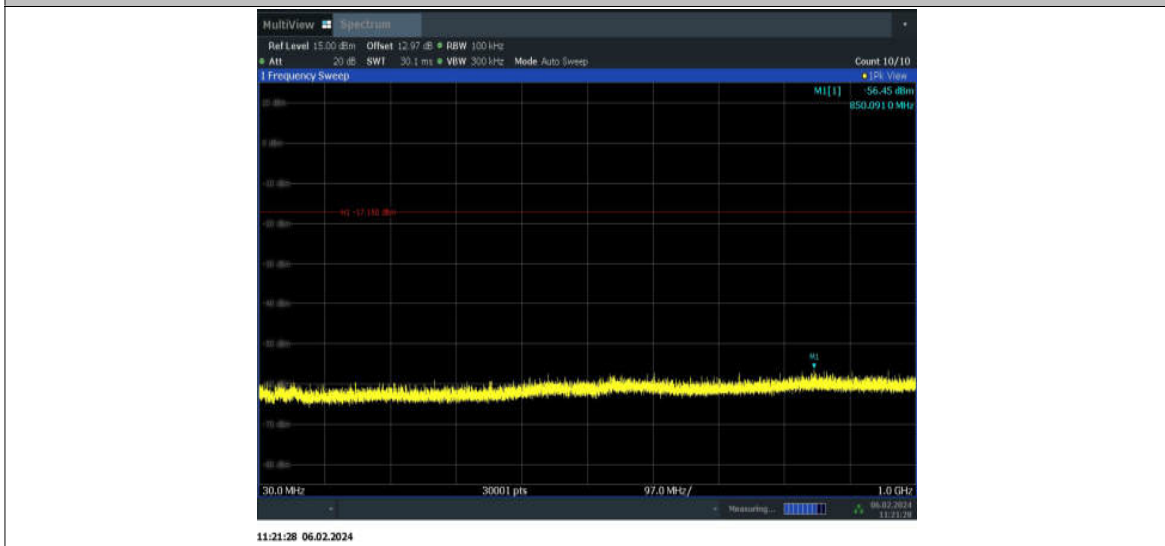
11AX20MIMO_ANT5_2462_106Tone_RU54_1000~26500



11AX20MIMO_ANT7_2462_26Tone_RU0_0~Reference



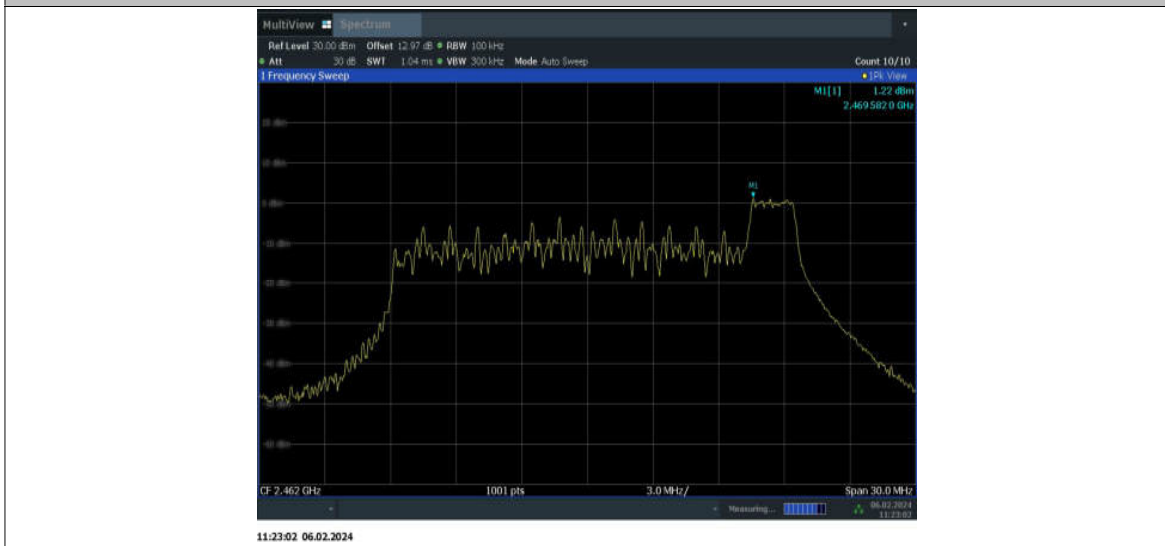
11AX20MIMO_ANT7_2462_26Tone_RU0_30~1000



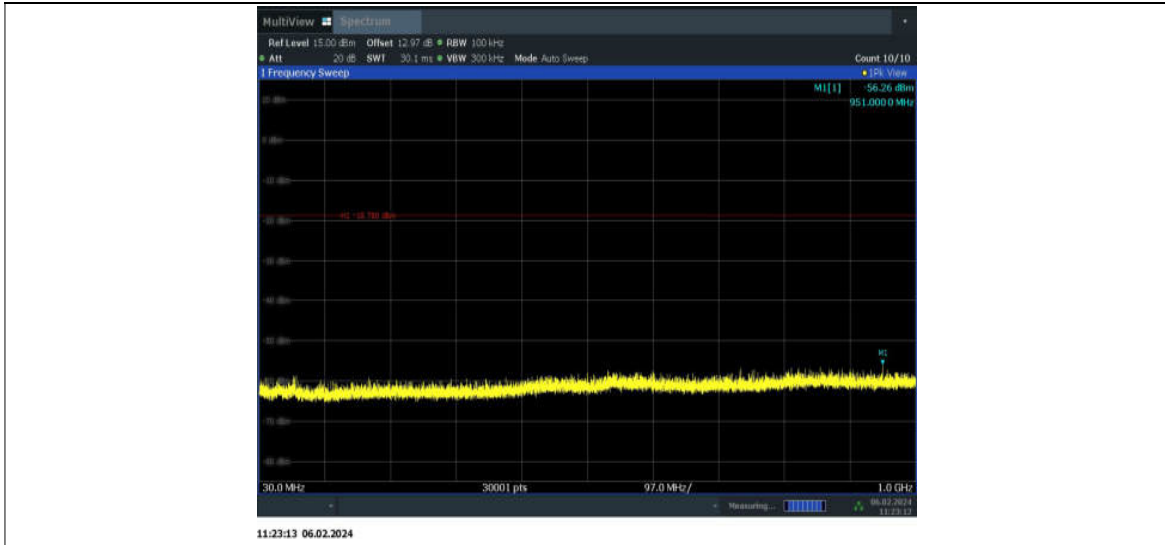
11AX20MIMO_ANT7_2462_26Tone_RU0_1000~26500



11AX20MIMO_ANT7_2462_26Tone_RU8_0-Reference



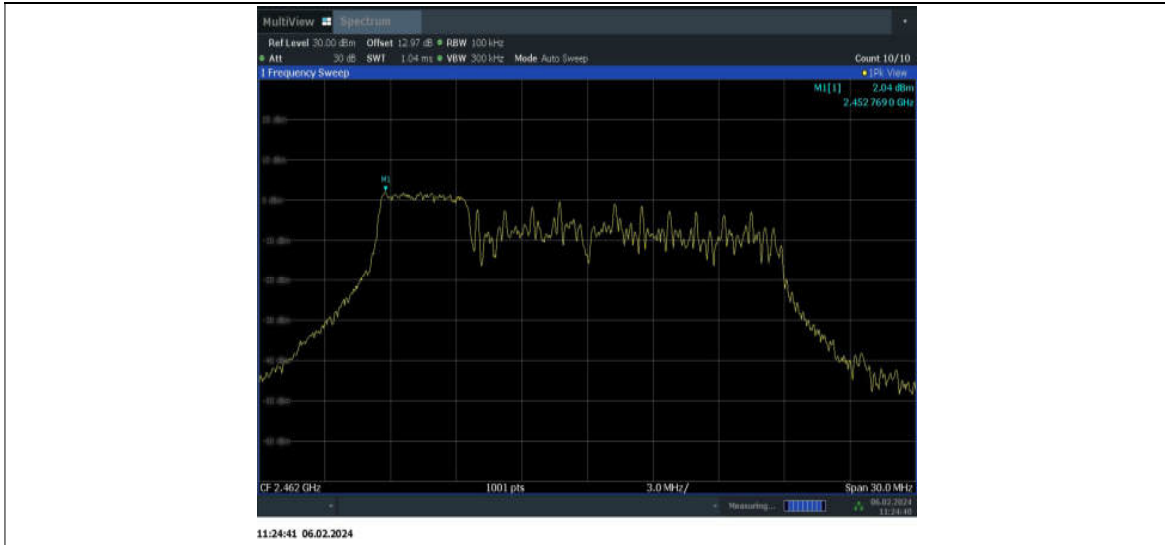
11AX20MIMO_ANT7_2462_26Tone_RU8_30~1000



11AX20MIMO_ANT7_2462_26Tone_RU8_1000~26500



11AX20MIMO_ANT7_2462_52Tone_RU37_0~Reference



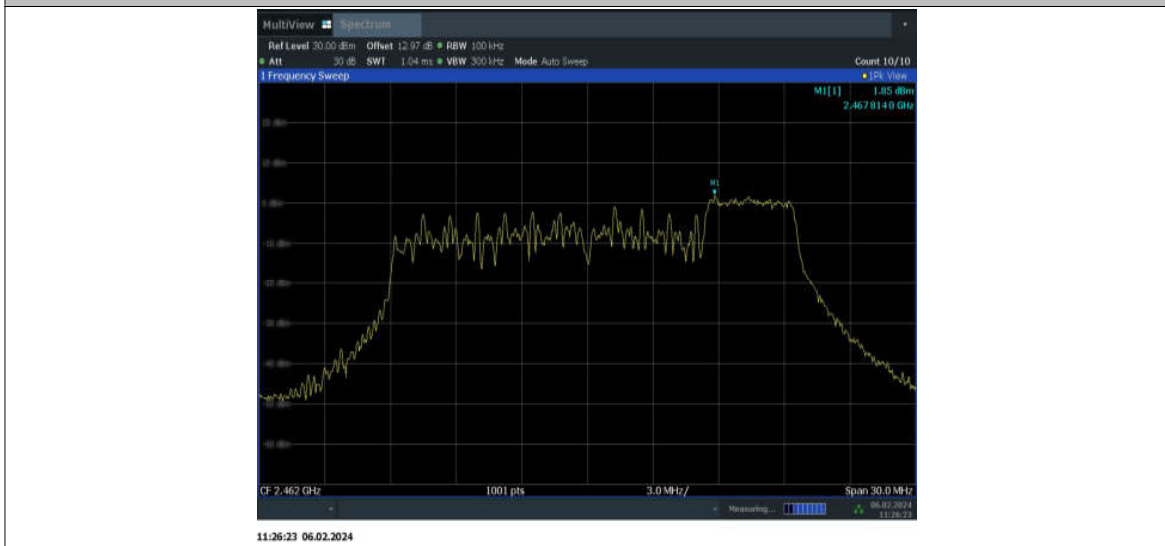
11AX20MIMO_ANT7_2462_52Tone_RU37_30~1000



11AX20MIMO_ANT7_2462_52Tone_RU37_1000~26500



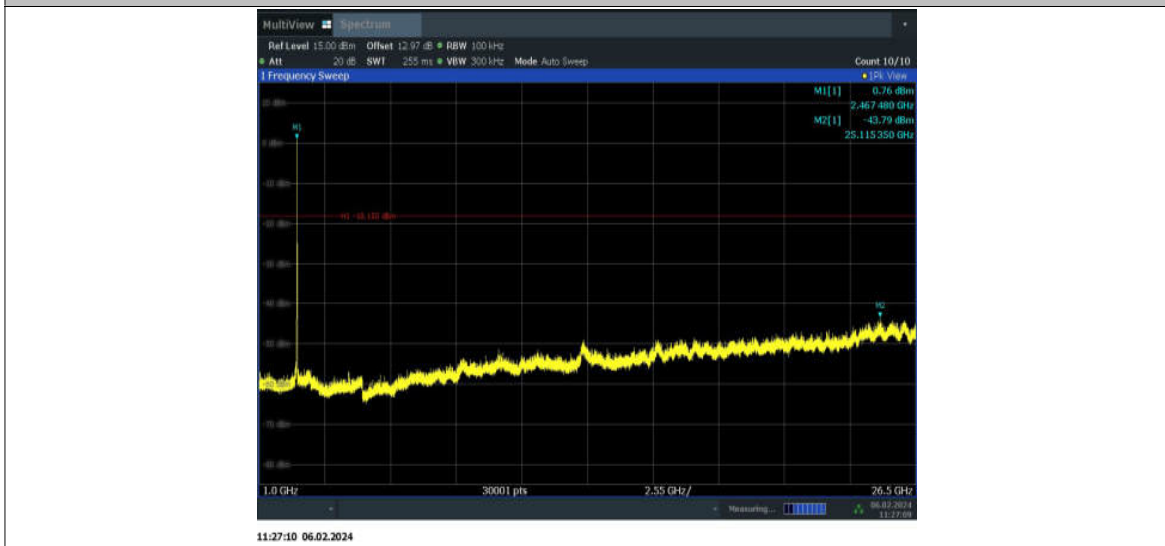
11AX20MIMO_ANT7_2462_52Tone_RU40_0~Reference



11AX20MIMO_ANT7_2462_52Tone_RU40_30~1000



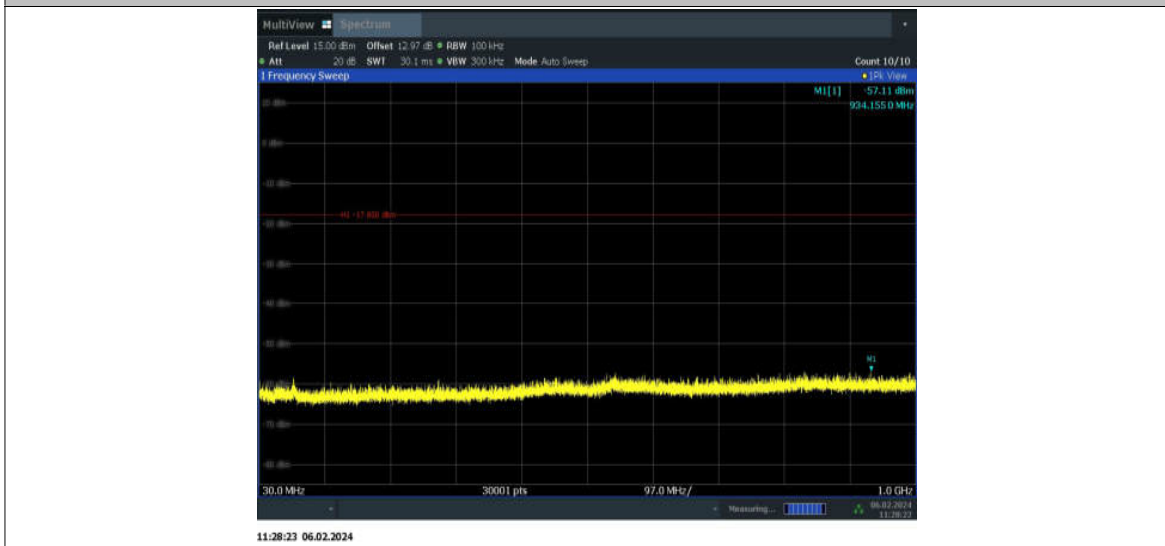
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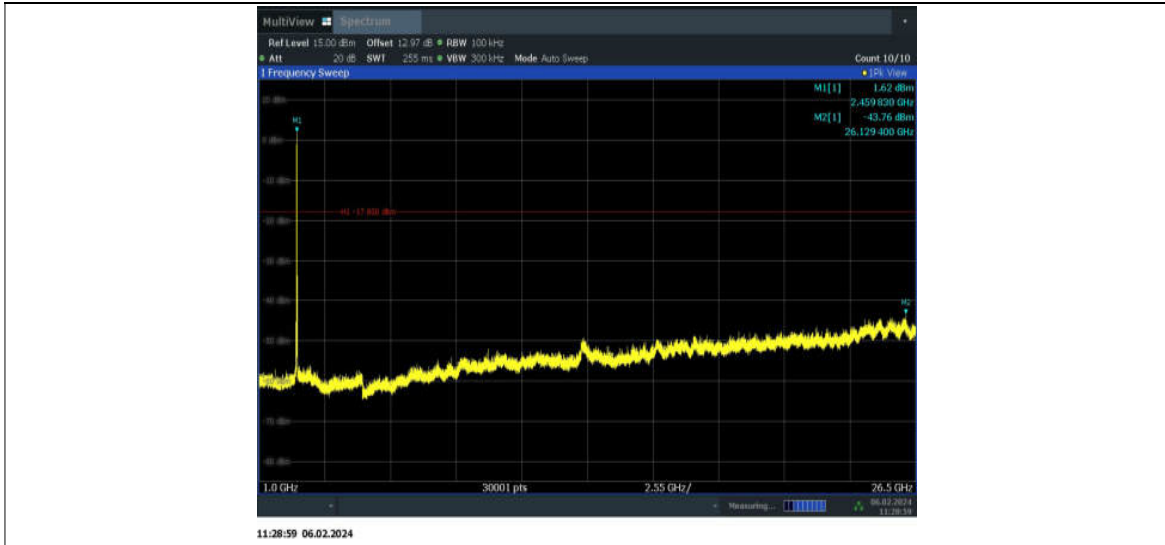
11AX20MIMO_ANT7_2462_106Tone_RU53_0~Reference



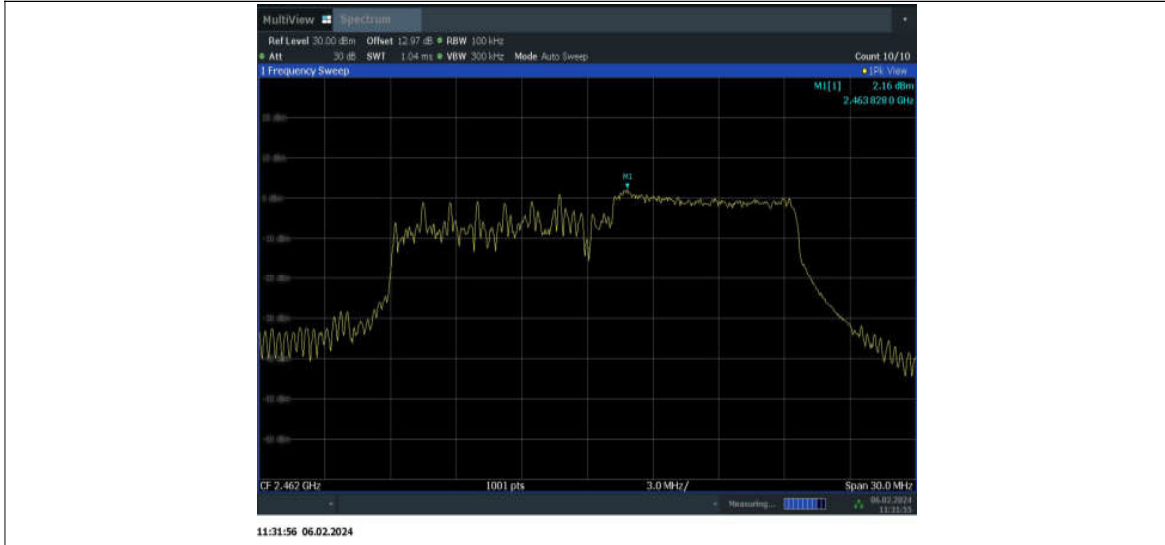
11AX20MIMO_ANT7_2462_106Tone_RU53_30~1000



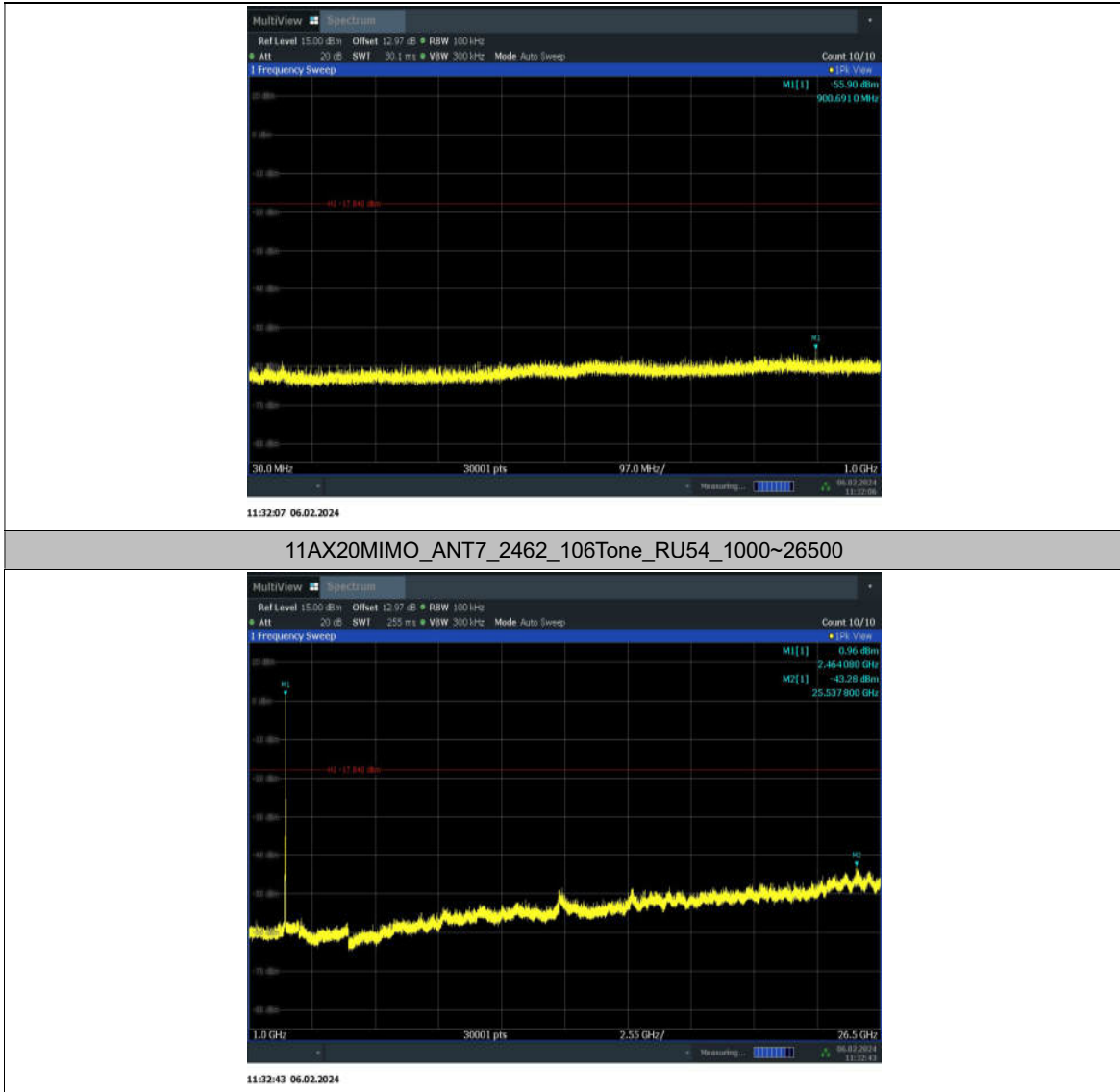
11AX20MIMO_ANT7_2462_106Tone_RU53_1000~26500



11AX20MIMO_ANT7_2462_106Tone_RU54_0~Reference



11AX20MIMO_ANT7_2462_106Tone_RU54_30~1000



Conclusion: Pass

A.7. Radiated Unwanted Emission

Limits

Measurement Limit

| Standard | Limit |
|--|------------------------------|
| FCC 47 CFR Part 15.247, 15.205, 15.209 | 20dB below peak output power |

In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

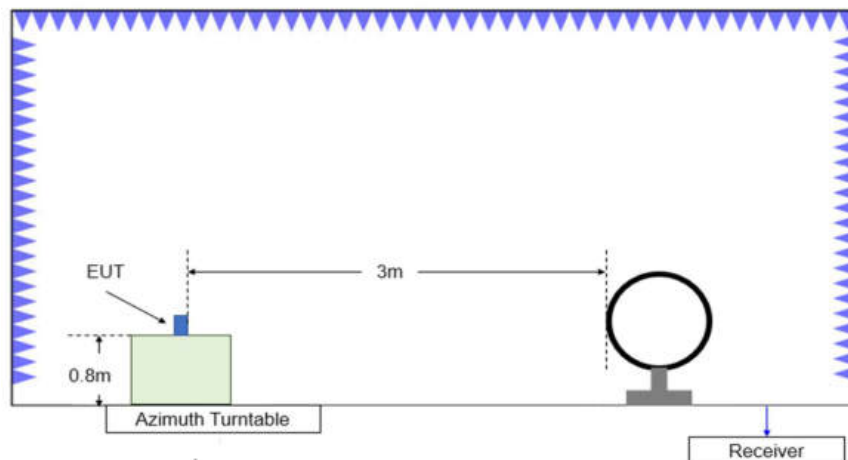
Limit in restricted band

| Frequency (MHz) | Field strength($\mu\text{V}/\text{m}$) | Measurement distance (m) |
|-----------------|--|--------------------------|
| 0.009 - 0.490 | 2400/F(kHz) | 300 |
| 0.490 - 1.705 | 24000/F(kHz) | 30 |
| 1.705 – 30.0 | 30 | 30 |

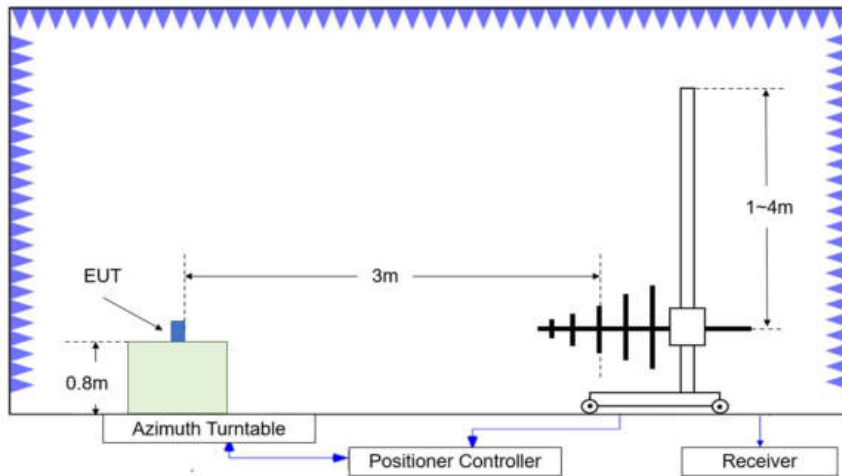
| Frequency of emission (MHz) | Field strength ($\mu\text{V}/\text{m}$) | Field strength (dB $\mu\text{V}/\text{m}$) | Measurement distance (m) |
|-----------------------------|---|---|--------------------------|
| 30-88 | 100 | 40 | 3 |
| 88-216 | 150 | 43.5 | 3 |
| 216-960 | 200 | 46 | 3 |
| Above 960 | 500 | 54 | 3 |

Note: When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor.

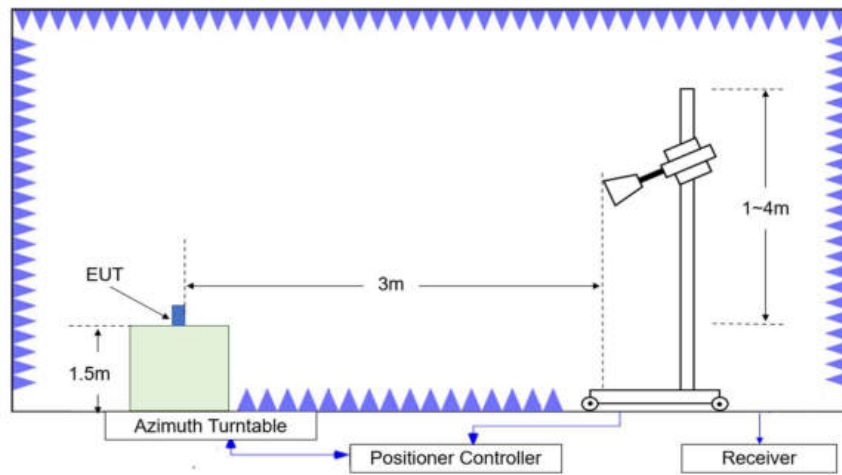
Test setup



Test Site Diagram (9kHz-30MHz)



Test Site Diagram (30MHz-1GHz)



Test Site Diagram (1GHz-40GHz)

Test Procedures

Radiated unwanted emissions from the EUT were measured according to ANSI C63.10.

Test setting

| Frequency of emission (MHz) | RBW/VBW | Sweep Time(s) |
|-----------------------------|---------------|---------------|
| 30-1000 | 100kHz/300kHz | 5 |
| 1000-3000 | 1MHz/3MHz | 15 |
| 3000-18000 | 1MHz/3MHz | 40 |
| 18000-26500 | 1MHz/3MHz | 20 |

Sample Calculation

A "reference path loss" is established and the A_{Rpl} is the attenuation of "reference path loss", and including the gain of receive antenna, the gain of the preamplifier, the cable loss.

P_{Mea} is the field strength recorded from the instrument.



The measurement results are obtained as described below:

Result= $P_{\text{Mea}}+A_{\text{Rpl}}= P_{\text{Mea}}+\text{Cable Loss}+\text{Antenna Factor}$

Test note

1. The EUT is operating at its maximum duty cycle and its maximum power control level.
2. Investigation has been done on all modes and modulations/data rates. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.
3. Spurious emissions for all channels were investigated and almost the same below 1GHz. According to FCC 47 CFR §15.31, emission levels are not report much lower than the limit by over 20dB
4. Measurement frequencies were performed from 9 kHz to the 10th harmonic of highest fundamental frequency or 40GHz, whichever is lower.

Test Result
Peak
802.11b

Ch1

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 7209.000 | 49.97 | -35.40 | 36.20 | 49.17 | 74.00 | 24.03 | V |
| 4806.000 | 49.01 | -37.70 | 33.00 | 53.71 | 74.00 | 24.99 | V |
| 16998.500 | 44.51 | -29.30 | 40.90 | 33.01 | 74.00 | 29.49 | H |
| 13739.000 | 42.32 | -31.00 | 41.10 | 32.22 | 74.00 | 31.68 | V |
| 9614.000 | 40.73 | -34.30 | 37.60 | 37.43 | 74.00 | 33.27 | V |
| 2389.500 | 56.53 | -19.80 | 28.20 | 48.13 | 74.00 | 17.47 | H |

Ch6

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17324.500 | 45.04 | -29.50 | 42.90 | 31.64 | 74.00 | 28.96 | V |
| 7286.500 | 44.35 | -35.40 | 36.60 | 43.15 | 74.00 | 29.65 | V |
| 14070.500 | 42.69 | -30.20 | 41.70 | 31.19 | 74.00 | 31.31 | V |
| 12651.500 | 41.78 | -31.80 | 39.40 | 34.18 | 74.00 | 32.22 | V |
| 9742.000 | 40.75 | -34.50 | 37.80 | 37.45 | 74.00 | 33.25 | V |
| 4096.500 | 35.84 | -38.00 | 32.20 | 41.64 | 74.00 | 38.16 | V |

Ch11

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17257.000 | 44.94 | -29.30 | 42.40 | 31.84 | 74.00 | 29.06 | V |
| 4907.500 | 44.75 | -37.60 | 33.30 | 49.05 | 74.00 | 29.25 | H |
| 7361.000 | 44.54 | -35.90 | 36.60 | 43.84 | 74.00 | 29.46 | V |
| 13632.000 | 43.22 | -31.30 | 40.90 | 33.62 | 74.00 | 30.78 | V |
| 12763.500 | 43.09 | -31.80 | 39.60 | 35.19 | 74.00 | 30.91 | V |
| 2489.000 | 52.27 | -19.70 | 28.20 | 43.77 | 74.00 | 21.73 | V |

802.11g

Ch1

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 4807.000 | 49.02 | -37.70 | 33.00 | 53.72 | 74.00 | 24.98 | V |
| 7210.500 | 48.54 | -35.40 | 36.20 | 47.74 | 74.00 | 25.46 | V |
| 17047.500 | 45.42 | -29.40 | 41.10 | 33.72 | 74.00 | 28.58 | V |
| 14110.500 | 43.54 | -30.80 | 41.70 | 32.64 | 74.00 | 30.46 | V |
| 9614.000 | 42.07 | -34.30 | 37.60 | 38.77 | 74.00 | 31.93 | V |
| 2389.900 | 64.51 | -19.80 | 28.20 | 56.11 | 74.00 | 9.49 | H |

Ch6

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 16995.500 | 45.55 | -29.30 | 40.90 | 34.05 | 74.00 | 28.45 | H |
| 13702.500 | 43.48 | -31.00 | 41.00 | 33.48 | 74.00 | 30.52 | V |
| 7285.000 | 42.42 | -35.40 | 36.60 | 41.22 | 74.00 | 31.58 | V |
| 12889.000 | 41.36 | -31.50 | 40.00 | 32.86 | 74.00 | 32.64 | V |
| 9191.000 | 40.90 | -34.70 | 37.70 | 37.90 | 74.00 | 33.10 | V |
| 4761.500 | 35.90 | -37.50 | 33.10 | 40.30 | 74.00 | 38.10 | V |

Ch11

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 7360.500 | 45.66 | -35.90 | 36.60 | 44.96 | 74.00 | 28.34 | V |
| 4907.500 | 45.45 | -37.60 | 33.30 | 49.75 | 74.00 | 28.55 | H |
| 17050.000 | 45.28 | -29.40 | 41.10 | 33.58 | 74.00 | 28.72 | V |
| 14673.000 | 42.78 | -30.00 | 41.50 | 31.28 | 74.00 | 31.22 | V |
| 12378.500 | 41.64 | -31.90 | 38.90 | 34.64 | 74.00 | 32.36 | V |
| 2485.800 | 58.79 | -19.70 | 28.20 | 50.29 | 74.00 | 15.21 | H |

802.11n-HT20

Ch1

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 7212.500 | 48.89 | -35.40 | 36.20 | 48.09 | 74.00 | 25.11 | V |
| 4808.000 | 47.99 | -37.70 | 33.00 | 52.69 | 74.00 | 26.01 | V |
| 16945.500 | 44.65 | -29.70 | 40.60 | 33.75 | 74.00 | 29.35 | V |
| 13926.000 | 43.09 | -30.60 | 41.40 | 32.29 | 74.00 | 30.91 | V |
| 9613.000 | 41.47 | -34.30 | 37.60 | 38.17 | 74.00 | 32.53 | V |
| 2390.000 | 64.46 | -19.80 | 28.20 | 56.06 | 74.00 | 9.54 | H |

Ch6

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 16955.500 | 45.30 | -29.70 | 40.60 | 34.40 | 74.00 | 28.70 | V |
| 13947.500 | 43.32 | -30.60 | 41.40 | 32.52 | 74.00 | 30.68 | V |
| 7285.000 | 42.49 | -35.40 | 36.60 | 41.29 | 74.00 | 31.51 | V |
| 12741.000 | 41.79 | -31.80 | 39.60 | 33.89 | 74.00 | 32.21 | V |
| 9596.500 | 41.03 | -34.30 | 37.50 | 37.83 | 74.00 | 32.97 | V |
| 4634.000 | 36.34 | -37.70 | 32.60 | 41.44 | 74.00 | 37.66 | V |

Ch11

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 4906.000 | 46.32 | -37.60 | 33.30 | 50.62 | 74.00 | 27.68 | H |
| 7361.500 | 45.35 | -35.90 | 36.60 | 44.65 | 74.00 | 28.65 | V |
| 16941.500 | 45.07 | -29.70 | 40.60 | 34.17 | 74.00 | 28.93 | V |
| 13908.000 | 43.40 | -31.10 | 41.30 | 33.20 | 74.00 | 30.60 | V |
| 11889.500 | 43.30 | -32.40 | 39.10 | 36.60 | 74.00 | 30.70 | V |
| 2485.200 | 69.36 | -19.70 | 28.20 | 60.86 | 74.00 | 4.64 | H |

802.11n-HT40

Ch3

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 16925.000 | 46.24 | -29.30 | 40.30 | 35.24 | 74.00 | 27.76 | V |
| 4809.000 | 45.25 | -37.70 | 33.00 | 49.95 | 74.00 | 28.75 | V |
| 7211.500 | 44.80 | -35.40 | 36.20 | 44.00 | 74.00 | 29.20 | V |
| 14079.500 | 43.19 | -30.20 | 41.70 | 31.69 | 74.00 | 30.81 | V |
| 12714.500 | 41.70 | -31.90 | 39.50 | 34.10 | 74.00 | 32.30 | V |
| 2389.700 | 49.95 | -19.80 | 28.20 | 41.55 | 74.00 | 24.05 | H |

Ch6

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17131.500 | 46.01 | -29.30 | 41.70 | 33.61 | 74.00 | 27.99 | V |
| 13813.500 | 43.65 | -30.00 | 41.20 | 32.35 | 74.00 | 30.35 | V |
| 11864.500 | 42.13 | -32.80 | 39.10 | 35.73 | 74.00 | 31.87 | V |
| 7295.000 | 41.29 | -35.40 | 36.60 | 40.09 | 74.00 | 32.71 | H |
| 9124.500 | 41.13 | -34.30 | 37.70 | 37.73 | 74.00 | 32.87 | V |
| 4344.000 | 36.55 | -37.80 | 32.20 | 42.15 | 74.00 | 37.45 | V |

Ch9

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17052.000 | 46.78 | -29.40 | 41.10 | 35.08 | 74.00 | 27.22 | H |
| 13799.000 | 43.56 | -30.90 | 41.20 | 33.26 | 74.00 | 30.44 | V |
| 11891.000 | 41.99 | -32.40 | 39.10 | 35.29 | 74.00 | 32.01 | V |
| 9619.500 | 40.94 | -34.30 | 37.60 | 37.64 | 74.00 | 33.06 | H |
| 7219.500 | 40.41 | -35.40 | 36.20 | 39.61 | 74.00 | 33.59 | V |
| 2486.400 | 63.40 | -19.70 | 28.20 | 54.90 | 74.00 | 10.60 | H |

802.11ac-VHT20

Ch1

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17543.000 | 45.42 | -29.20 | 44.90 | 29.72 | 74.00 | 28.58 | V |
| 13789.000 | 42.69 | -30.90 | 41.20 | 32.39 | 74.00 | 31.31 | V |
| 11895.500 | 41.61 | -32.40 | 39.10 | 34.91 | 74.00 | 32.39 | V |
| 8843.000 | 39.83 | -34.50 | 37.80 | 36.53 | 74.00 | 34.17 | H |
| 4827.500 | 39.56 | -37.70 | 33.00 | 44.26 | 74.00 | 34.44 | H |
| 2389.900 | 60.87 | -19.80 | 28.20 | 52.47 | 74.00 | 13.13 | H |

Ch6

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17032.500 | 45.51 | -29.40 | 41.10 | 33.81 | 74.00 | 28.49 | V |
| 13895.500 | 43.22 | -31.10 | 41.30 | 33.02 | 74.00 | 30.78 | V |
| 11306.000 | 41.82 | -32.80 | 38.70 | 35.92 | 74.00 | 32.18 | V |
| 9632.000 | 41.20 | -34.30 | 37.60 | 37.90 | 74.00 | 32.80 | H |
| 7498.500 | 39.66 | -35.10 | 36.40 | 38.36 | 74.00 | 34.34 | V |
| 4409.000 | 35.56 | -37.90 | 32.30 | 41.16 | 74.00 | 38.44 | V |

Ch11

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17981.500 | 45.69 | -29.40 | 46.00 | 29.09 | 74.00 | 28.31 | H |
| 13828.500 | 43.50 | -30.00 | 41.20 | 32.20 | 74.00 | 30.50 | H |
| 10460.500 | 42.44 | -34.10 | 38.20 | 38.34 | 74.00 | 31.56 | V |
| 9611.500 | 41.28 | -34.30 | 37.60 | 37.98 | 74.00 | 32.72 | H |
| 7334.500 | 39.75 | -35.90 | 36.60 | 39.05 | 74.00 | 34.25 | V |
| 2485.600 | 57.14 | -19.70 | 28.20 | 48.64 | 74.00 | 16.86 | H |

802.11ac-VHT40

Ch3

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17334.500 | 44.73 | -28.60 | 43.40 | 29.93 | 74.00 | 29.27 | V |
| 13953.000 | 43.66 | -30.60 | 41.40 | 32.86 | 74.00 | 30.34 | H |
| 11864.500 | 40.93 | -32.80 | 39.10 | 34.53 | 74.00 | 33.07 | H |
| 9288.500 | 40.33 | -34.50 | 37.60 | 37.23 | 74.00 | 33.67 | H |
| 7205.000 | 39.91 | -35.40 | 36.20 | 39.11 | 74.00 | 34.09 | V |
| 2389.500 | 63.25 | -19.80 | 28.20 | 54.85 | 74.00 | 10.75 | H |

Ch6

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 16773.500 | 45.50 | -29.70 | 39.70 | 35.50 | 74.00 | 28.50 | V |
| 13666.500 | 42.84 | -31.00 | 41.00 | 32.84 | 74.00 | 31.16 | H |
| 10383.000 | 41.50 | -33.80 | 38.10 | 37.20 | 74.00 | 32.50 | V |
| 8852.000 | 41.05 | -34.50 | 37.80 | 37.75 | 74.00 | 32.95 | V |
| 7300.500 | 40.83 | -35.40 | 36.60 | 39.63 | 74.00 | 33.17 | V |
| 4850.500 | 36.20 | -37.70 | 33.00 | 40.90 | 74.00 | 37.80 | H |

Ch9

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17428.000 | 45.14 | -28.50 | 44.20 | 29.44 | 74.00 | 28.86 | V |
| 13862.000 | 42.45 | -31.10 | 41.30 | 32.25 | 74.00 | 31.55 | V |
| 12788.500 | 41.33 | -31.50 | 39.80 | 33.03 | 74.00 | 32.67 | V |
| 9619.500 | 40.68 | -34.30 | 37.60 | 37.38 | 74.00 | 33.32 | H |
| 7221.500 | 39.47 | -35.40 | 36.20 | 38.67 | 74.00 | 34.53 | V |
| 2485.300 | 59.85 | -19.70 | 28.20 | 51.35 | 74.00 | 14.15 | H |

802.11ax-HT20-full RU

Ch1

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 7210.500 | 51.14 | -35.40 | 36.20 | 50.34 | 74.00 | 22.86 | V |
| 4806.500 | 47.71 | -37.70 | 33.00 | 52.41 | 74.00 | 26.29 | V |
| 17965.500 | 45.24 | -29.40 | 46.00 | 28.64 | 74.00 | 28.76 | V |
| 13823.000 | 42.68 | -30.00 | 41.20 | 31.38 | 74.00 | 31.32 | H |
| 11869.500 | 41.11 | -32.80 | 39.10 | 34.71 | 74.00 | 32.89 | V |
| 2390.000 | 66.07 | -19.80 | 28.20 | 57.67 | 74.00 | 7.93 | H |

Ch6

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17029.500 | 45.05 | -29.30 | 40.90 | 33.55 | 74.00 | 28.95 | V |
| 13754.500 | 43.00 | -31.00 | 41.10 | 32.90 | 74.00 | 31.00 | H |
| 7286.500 | 42.17 | -35.40 | 36.60 | 40.97 | 74.00 | 31.83 | V |
| 11759.000 | 41.71 | -32.90 | 39.20 | 35.41 | 74.00 | 32.29 | V |
| 8984.000 | 40.90 | -34.70 | 37.70 | 37.90 | 74.00 | 33.10 | V |
| 3726.500 | 35.69 | -37.70 | 32.30 | 41.09 | 74.00 | 38.31 | H |

Ch11

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17451.500 | 45.46 | -28.50 | 44.20 | 29.76 | 74.00 | 28.54 | H |
| 7360.000 | 45.35 | -35.90 | 36.60 | 44.65 | 74.00 | 28.65 | V |
| 4906.500 | 45.33 | -37.60 | 33.30 | 49.63 | 74.00 | 28.67 | V |
| 13951.500 | 43.53 | -30.60 | 41.40 | 32.73 | 74.00 | 30.47 | H |
| 12748.000 | 41.93 | -31.80 | 39.60 | 34.03 | 74.00 | 32.07 | V |
| 2485.500 | 64.02 | -19.70 | 28.20 | 55.52 | 74.00 | 9.98 | H |

802.11ax-HT40-full RU

Ch3

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 4808.000 | 46.08 | -37.70 | 33.00 | 50.78 | 74.00 | 27.92 | V |
| 17115.000 | 45.42 | -29.20 | 41.40 | 33.22 | 74.00 | 28.58 | V |
| 13649.000 | 43.01 | -31.30 | 40.90 | 33.41 | 74.00 | 30.99 | V |
| 12289.000 | 41.73 | -32.10 | 39.00 | 34.83 | 74.00 | 32.27 | V |
| 7212.500 | 41.30 | -35.40 | 36.20 | 40.50 | 74.00 | 32.70 | V |
| 2388.900 | 51.53 | -19.80 | 28.20 | 43.13 | 74.00 | 22.47 | H |

Ch6

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17082.000 | 47.51 | -29.20 | 41.40 | 35.31 | 74.00 | 26.49 | H |
| 14217.000 | 44.59 | -30.60 | 41.80 | 33.49 | 74.00 | 29.41 | H |
| 12639.500 | 42.99 | -31.80 | 39.40 | 35.39 | 74.00 | 31.01 | H |
| 9594.500 | 41.79 | -34.30 | 37.50 | 38.59 | 74.00 | 32.21 | H |
| 7379.000 | 41.06 | -35.10 | 36.60 | 39.56 | 74.00 | 32.94 | H |
| 4889.500 | 37.17 | -37.50 | 33.40 | 41.27 | 74.00 | 36.83 | H |

Ch9

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17121.000 | 45.67 | -29.20 | 41.40 | 33.47 | 74.00 | 28.33 | V |
| 13955.500 | 44.21 | -30.60 | 41.40 | 33.41 | 74.00 | 29.79 | V |
| 10458.500 | 41.64 | -34.10 | 38.20 | 37.54 | 74.00 | 32.36 | H |
| 9203.500 | 41.56 | -34.70 | 37.70 | 38.56 | 74.00 | 32.44 | V |
| 7522.500 | 40.19 | -35.10 | 36.40 | 38.89 | 74.00 | 33.81 | H |
| 2485.500 | 63.25 | -19.70 | 28.20 | 54.75 | 74.00 | 10.75 | H |

802.11ax-HT20-partial RU

Ch1

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 16844.500 | 44.60 | -29.60 | 40.00 | 34.20 | 74.00 | 29.40 | H |
| 13918.500 | 42.77 | -30.60 | 41.40 | 31.97 | 74.00 | 31.23 | V |
| 12270.500 | 40.31 | -32.50 | 39.00 | 33.81 | 74.00 | 33.69 | H |
| 9146.000 | 39.08 | -34.30 | 37.70 | 35.68 | 74.00 | 34.92 | V |
| 7407.000 | 38.47 | -35.10 | 36.60 | 36.97 | 74.00 | 35.53 | H |
| 2312.400 | 51.46 | -19.90 | 28.10 | 43.26 | 74.00 | 22.54 | H |

Ch6

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 16971.000 | 45.04 | -29.70 | 40.60 | 34.14 | 74.00 | 28.96 | V |
| 13853.000 | 42.56 | -30.00 | 41.20 | 31.26 | 74.00 | 31.44 | H |
| 12768.500 | 40.64 | -31.80 | 39.60 | 32.74 | 74.00 | 33.36 | H |
| 8428.000 | 39.43 | -35.10 | 37.40 | 37.13 | 74.00 | 34.57 | V |
| 7313.500 | 39.14 | -35.40 | 36.60 | 37.94 | 74.00 | 34.86 | V |
| 4946.000 | 35.16 | -37.60 | 33.30 | 39.46 | 74.00 | 38.84 | V |

Ch11

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 16842.500 | 45.91 | -29.60 | 40.00 | 35.51 | 74.00 | 28.09 | H |
| 13815.500 | 42.24 | -30.00 | 41.20 | 30.94 | 74.00 | 31.76 | V |
| 11896.500 | 40.44 | -32.40 | 39.10 | 33.74 | 74.00 | 33.56 | V |
| 8913.500 | 39.22 | -33.90 | 37.70 | 35.42 | 74.00 | 34.78 | V |
| 7319.500 | 38.50 | -35.40 | 36.60 | 37.30 | 74.00 | 35.50 | H |
| 2490.000 | 51.56 | -19.70 | 28.20 | 43.06 | 74.00 | 22.44 | H |

802.11ax-HT40-partial RU

Ch3

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17344.500 | 44.64 | -28.60 | 43.40 | 29.84 | 74.00 | 29.36 | H |
| 13942.500 | 43.22 | -30.60 | 41.40 | 32.42 | 74.00 | 30.78 | V |
| 11897.500 | 40.44 | -32.40 | 39.10 | 33.74 | 74.00 | 33.56 | V |
| 9212.500 | 39.03 | -34.30 | 37.60 | 35.73 | 74.00 | 34.97 | H |
| 6754.500 | 38.22 | -36.00 | 35.20 | 39.02 | 74.00 | 35.78 | V |
| 2382.500 | 50.96 | -19.80 | 28.20 | 42.56 | 74.00 | 23.04 | V |

Ch6

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17017.500 | 45.35 | -29.30 | 40.90 | 33.85 | 74.00 | 28.65 | V |
| 13693.000 | 42.64 | -31.00 | 41.00 | 32.64 | 74.00 | 31.36 | V |
| 12771.000 | 40.51 | -31.80 | 39.60 | 32.61 | 74.00 | 33.49 | H |
| 7299.000 | 39.39 | -35.40 | 36.60 | 38.19 | 74.00 | 34.61 | V |
| 9614.500 | 38.78 | -34.30 | 37.60 | 35.48 | 74.00 | 35.22 | V |
| 4178.000 | 35.62 | -37.80 | 32.30 | 41.12 | 74.00 | 38.38 | H |

Ch9

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 16610.500 | 45.62 | -29.30 | 39.40 | 35.52 | 74.00 | 28.38 | H |
| 13865.000 | 42.61 | -31.10 | 41.30 | 32.41 | 74.00 | 31.39 | H |
| 11895.500 | 41.04 | -32.40 | 39.10 | 34.34 | 74.00 | 32.96 | H |
| 9850.000 | 40.46 | -34.10 | 37.90 | 36.66 | 74.00 | 33.54 | H |
| 7311.500 | 39.13 | -35.40 | 36.60 | 37.93 | 74.00 | 34.87 | H |
| 2485.600 | 51.74 | -19.70 | 28.20 | 43.24 | 74.00 | 22.26 | H |

Average
802.11b

Ch1

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 4807.500 | 40.30 | -37.70 | 33.00 | 45.00 | 54.00 | 13.70 | V |
| 7210.000 | 37.82 | -35.40 | 36.20 | 37.02 | 54.00 | 16.18 | V |
| 17042.000 | 35.92 | -29.40 | 41.10 | 24.22 | 54.00 | 18.08 | H |
| 13946.000 | 34.10 | -30.60 | 41.40 | 23.30 | 54.00 | 19.90 | V |
| 12267.000 | 31.87 | -32.50 | 39.00 | 25.37 | 54.00 | 22.13 | V |
| 2389.400 | 50.89 | -19.80 | 28.20 | 42.49 | 54.00 | 3.11 | H |

Ch6

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 16937.000 | 36.54 | -29.70 | 40.60 | 25.64 | 54.00 | 17.46 | H |
| 13870.000 | 34.36 | -31.10 | 41.30 | 24.16 | 54.00 | 19.64 | H |
| 7286.500 | 32.82 | -35.40 | 36.60 | 31.62 | 54.00 | 21.18 | V |
| 10701.500 | 32.35 | -33.70 | 38.40 | 27.65 | 54.00 | 21.65 | V |
| 9629.000 | 31.03 | -34.30 | 37.60 | 27.73 | 54.00 | 22.97 | V |
| 4958.500 | 26.46 | -37.40 | 33.60 | 30.26 | 54.00 | 27.54 | V |

Ch11

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17359.500 | 36.43 | -28.60 | 43.40 | 21.63 | 54.00 | 17.57 | V |
| 4906.500 | 35.27 | -37.60 | 33.30 | 39.57 | 54.00 | 18.73 | V |
| 13868.500 | 34.65 | -31.10 | 41.30 | 24.45 | 54.00 | 19.35 | V |
| 7361.000 | 33.50 | -35.90 | 36.60 | 32.80 | 54.00 | 20.50 | V |
| 11895.000 | 32.87 | -32.40 | 39.10 | 26.17 | 54.00 | 21.13 | V |
| 2485.100 | 41.96 | -19.70 | 28.20 | 33.46 | 54.00 | 12.04 | H |

802.11g

Ch1

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 4807.000 | 40.09 | -37.70 | 33.00 | 44.79 | 54.00 | 13.91 | V |
| 7210.500 | 37.53 | -35.40 | 36.20 | 36.73 | 54.00 | 16.47 | V |
| 17329.000 | 36.58 | -28.60 | 43.40 | 21.78 | 54.00 | 17.42 | V |
| 13869.500 | 33.57 | -31.10 | 41.30 | 23.37 | 54.00 | 20.43 | V |
| 12740.500 | 32.42 | -31.80 | 39.60 | 24.52 | 54.00 | 21.58 | V |
| 2389.500 | 53.87 | -19.80 | 28.20 | 45.47 | 54.00 | 0.13 | H |

Ch6

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 16724.000 | 36.25 | -29.20 | 39.60 | 25.85 | 54.00 | 17.75 | H |
| 13940.000 | 34.01 | -30.60 | 41.40 | 23.21 | 54.00 | 19.99 | V |
| 12304.500 | 32.36 | -32.10 | 39.00 | 25.46 | 54.00 | 21.64 | H |
| 7285.000 | 32.26 | -35.40 | 36.60 | 31.06 | 54.00 | 21.74 | V |
| 9489.500 | 31.04 | -34.60 | 37.70 | 27.94 | 54.00 | 22.96 | V |
| 4856.500 | 26.80 | -37.50 | 33.40 | 30.90 | 54.00 | 27.20 | V |

Ch11

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17225.500 | 36.44 | -29.10 | 42.00 | 23.44 | 54.00 | 17.56 | V |
| 4906.500 | 35.75 | -37.60 | 33.30 | 40.05 | 54.00 | 18.25 | V |
| 13947.500 | 34.21 | -30.60 | 41.40 | 23.41 | 54.00 | 19.79 | V |
| 7361.000 | 32.94 | -35.90 | 36.60 | 32.24 | 54.00 | 21.06 | V |
| 11883.500 | 32.70 | -32.40 | 39.10 | 26.00 | 54.00 | 21.30 | V |
| 2485.200 | 47.11 | -19.70 | 28.20 | 38.61 | 54.00 | 6.89 | H |

802.11n-HT20

Ch1

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 4806.500 | 39.70 | -37.70 | 33.00 | 44.40 | 54.00 | 14.30 | V |
| 7211.500 | 37.46 | -35.40 | 36.20 | 36.66 | 54.00 | 16.54 | V |
| 17049.500 | 36.00 | -29.40 | 41.10 | 24.30 | 54.00 | 18.00 | V |
| 13798.500 | 33.71 | -30.90 | 41.20 | 23.41 | 54.00 | 20.29 | H |
| 11877.500 | 32.04 | -32.80 | 39.10 | 25.64 | 54.00 | 21.96 | V |
| 2390.000 | 52.06 | -19.80 | 28.20 | 43.66 | 54.00 | 1.94 | H |

Ch6

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17548.500 | 36.18 | -29.20 | 44.90 | 20.48 | 54.00 | 17.82 | H |
| 14096.000 | 34.02 | -30.20 | 41.70 | 22.52 | 54.00 | 19.98 | V |
| 11847.500 | 32.29 | -32.80 | 39.10 | 25.89 | 54.00 | 21.71 | V |
| 9607.500 | 31.62 | -34.30 | 37.60 | 28.32 | 54.00 | 22.38 | V |
| 7286.000 | 31.18 | -35.40 | 36.60 | 29.98 | 54.00 | 22.82 | V |
| 4857.500 | 27.38 | -37.50 | 33.40 | 31.48 | 54.00 | 26.62 | V |

Ch11

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17550.500 | 36.38 | -29.20 | 44.90 | 20.68 | 54.00 | 17.62 | V |
| 4907.000 | 35.37 | -37.60 | 33.30 | 39.67 | 54.00 | 18.63 | H |
| 7360.500 | 34.71 | -35.90 | 36.60 | 34.01 | 54.00 | 19.29 | V |
| 14089.500 | 34.43 | -30.20 | 41.70 | 22.93 | 54.00 | 19.57 | H |
| 10444.500 | 32.82 | -33.70 | 38.20 | 28.32 | 54.00 | 21.18 | V |
| 2485.200 | 50.53 | -19.70 | 28.20 | 42.03 | 54.00 | 3.47 | H |

802.11n-HT40

Ch3

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 4807.500 | 37.28 | -37.70 | 33.00 | 41.98 | 54.00 | 16.72 | V |
| 17973.000 | 36.94 | -29.40 | 46.00 | 20.34 | 54.00 | 17.06 | V |
| 13914.000 | 34.30 | -30.60 | 41.40 | 23.50 | 54.00 | 19.70 | V |
| 11871.000 | 32.86 | -32.80 | 39.10 | 26.46 | 54.00 | 21.14 | V |
| 7212.000 | 31.92 | -35.40 | 36.20 | 31.12 | 54.00 | 22.08 | V |
| 2353.400 | 38.68 | -19.60 | 28.20 | 30.08 | 54.00 | 15.32 | V |

Ch6

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 16739.500 | 36.88 | -29.70 | 39.70 | 26.88 | 54.00 | 17.12 | H |
| 13837.000 | 34.54 | -30.00 | 41.20 | 23.24 | 54.00 | 19.46 | V |
| 11888.500 | 33.37 | -32.40 | 39.10 | 26.67 | 54.00 | 20.63 | V |
| 9613.000 | 32.55 | -34.30 | 37.60 | 29.25 | 54.00 | 21.45 | V |
| 7310.000 | 31.52 | -35.40 | 36.60 | 30.32 | 54.00 | 22.48 | V |
| 4880.500 | 27.52 | -37.50 | 33.40 | 31.62 | 54.00 | 26.48 | H |

Ch9

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17106.000 | 36.88 | -29.20 | 41.40 | 24.68 | 54.00 | 17.12 | V |
| 13922.000 | 34.63 | -30.60 | 41.40 | 23.83 | 54.00 | 19.37 | V |
| 10483.000 | 33.43 | -34.10 | 38.20 | 29.33 | 54.00 | 20.57 | V |
| 9631.500 | 31.95 | -34.30 | 37.60 | 28.65 | 54.00 | 22.05 | V |
| 7310.000 | 31.22 | -35.40 | 36.60 | 30.02 | 54.00 | 22.78 | H |
| 2485.200 | 43.97 | -19.70 | 28.20 | 35.47 | 54.00 | 10.03 | H |

802.11ac-VHT20

Ch1

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17040.500 | 36.23 | -29.40 | 41.10 | 24.53 | 54.00 | 17.77 | V |
| 13946.500 | 34.64 | -30.60 | 41.40 | 23.84 | 54.00 | 19.36 | V |
| 12277.500 | 32.40 | -32.10 | 39.00 | 25.50 | 54.00 | 21.60 | V |
| 9623.000 | 31.15 | -34.30 | 37.60 | 27.85 | 54.00 | 22.85 | H |
| 7409.500 | 30.80 | -35.10 | 36.60 | 29.30 | 54.00 | 23.20 | V |
| 2389.900 | 49.36 | -19.80 | 28.20 | 40.96 | 54.00 | 4.64 | H |

Ch6

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17986.500 | 36.57 | -29.40 | 46.00 | 19.97 | 54.00 | 17.43 | V |
| 14071.500 | 34.06 | -30.20 | 41.70 | 22.56 | 54.00 | 19.94 | V |
| 11884.500 | 32.89 | -32.40 | 39.10 | 26.19 | 54.00 | 21.11 | V |
| 9197.000 | 31.47 | -34.70 | 37.70 | 28.47 | 54.00 | 22.53 | V |
| 7304.000 | 30.73 | -35.40 | 36.60 | 29.53 | 54.00 | 23.27 | V |
| 4940.000 | 26.87 | -37.60 | 33.30 | 31.17 | 54.00 | 27.13 | V |

Ch11

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17041.000 | 36.70 | -29.40 | 41.10 | 25.00 | 54.00 | 17.30 | V |
| 13664.000 | 34.44 | -31.00 | 41.00 | 24.44 | 54.00 | 19.56 | V |
| 11896.000 | 33.38 | -32.40 | 39.10 | 26.68 | 54.00 | 20.62 | V |
| 9605.000 | 31.45 | -34.30 | 37.60 | 28.15 | 54.00 | 22.55 | V |
| 7223.000 | 31.22 | -35.40 | 36.20 | 30.42 | 54.00 | 22.78 | V |
| 2485.100 | 45.33 | -19.70 | 28.20 | 36.83 | 54.00 | 8.67 | H |

802.11ac-VHT40

Ch3

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17147.500 | 35.60 | -29.30 | 41.70 | 23.20 | 54.00 | 18.40 | V |
| 13812.500 | 34.41 | -30.00 | 41.20 | 23.11 | 54.00 | 19.59 | H |
| 11798.000 | 32.67 | -32.00 | 39.20 | 25.47 | 54.00 | 21.33 | V |
| 9611.500 | 31.81 | -34.30 | 37.60 | 28.51 | 54.00 | 22.19 | V |
| 7613.500 | 30.12 | -35.60 | 36.30 | 29.42 | 54.00 | 23.88 | V |
| 2389.100 | 53.85 | -19.80 | 28.20 | 45.45 | 54.00 | 0.15 | H |

Ch6

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17054.000 | 35.82 | -29.40 | 41.10 | 24.12 | 54.00 | 18.18 | V |
| 13939.000 | 33.88 | -30.60 | 41.40 | 23.08 | 54.00 | 20.12 | H |
| 10487.500 | 32.75 | -34.10 | 38.20 | 28.65 | 54.00 | 21.25 | H |
| 9713.000 | 31.69 | -34.50 | 37.80 | 28.39 | 54.00 | 22.31 | V |
| 7320.000 | 31.01 | -35.40 | 36.60 | 29.81 | 54.00 | 22.99 | V |
| 4867.000 | 26.90 | -37.50 | 33.40 | 31.00 | 54.00 | 27.10 | V |

Ch9

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17540.500 | 36.72 | -29.20 | 44.90 | 21.02 | 54.00 | 17.28 | V |
| 13862.000 | 34.13 | -31.10 | 41.30 | 23.93 | 54.00 | 19.87 | V |
| 11903.000 | 32.56 | -32.40 | 39.10 | 25.86 | 54.00 | 21.44 | V |
| 9630.500 | 31.45 | -34.30 | 37.60 | 28.15 | 54.00 | 22.55 | V |
| 7503.500 | 30.18 | -35.10 | 36.40 | 28.88 | 54.00 | 23.82 | V |
| 2485.000 | 48.03 | -19.70 | 28.20 | 39.53 | 54.00 | 5.97 | H |

802.11ax-HT20-full RU

Ch1

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 4807.000 | 40.11 | -37.70 | 33.00 | 44.81 | 54.00 | 13.89 | V |
| 7209.500 | 38.17 | -35.40 | 36.20 | 37.37 | 54.00 | 15.83 | V |
| 17974.000 | 35.95 | -29.40 | 46.00 | 19.35 | 54.00 | 18.05 | V |
| 13659.500 | 33.76 | -31.30 | 40.90 | 24.16 | 54.00 | 20.24 | V |
| 12375.500 | 31.98 | -32.30 | 39.00 | 25.38 | 54.00 | 22.02 | V |
| 2390.000 | 53.13 | -19.80 | 28.20 | 44.73 | 54.00 | 0.87 | H |

Ch6

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 16922.500 | 36.28 | -29.30 | 40.30 | 25.28 | 54.00 | 17.72 | V |
| 14666.000 | 34.09 | -30.00 | 41.50 | 22.59 | 54.00 | 19.91 | V |
| 12645.000 | 32.71 | -31.80 | 39.40 | 25.11 | 54.00 | 21.29 | V |
| 7286.500 | 31.76 | -35.40 | 36.60 | 30.56 | 54.00 | 22.24 | V |
| 9610.000 | 31.45 | -34.30 | 37.60 | 28.15 | 54.00 | 22.55 | V |
| 4857.000 | 26.71 | -37.50 | 33.40 | 30.81 | 54.00 | 27.29 | V |

Ch11

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17021.500 | 36.80 | -29.30 | 40.90 | 25.30 | 54.00 | 17.20 | V |
| 4906.500 | 34.78 | -37.60 | 33.30 | 39.08 | 54.00 | 19.22 | V |
| 13925.000 | 33.97 | -30.60 | 41.40 | 23.17 | 54.00 | 20.03 | H |
| 11888.500 | 32.94 | -32.40 | 39.10 | 26.24 | 54.00 | 21.06 | V |
| 7360.000 | 32.74 | -35.90 | 36.60 | 32.04 | 54.00 | 21.26 | V |
| 2485.100 | 47.49 | -19.70 | 28.20 | 38.99 | 54.00 | 6.51 | H |

802.11ax-HT40-full RU

Ch3

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 4808.500 | 36.67 | -37.70 | 33.00 | 41.37 | 54.00 | 17.33 | V |
| 17040.500 | 36.51 | -29.40 | 41.10 | 24.81 | 54.00 | 17.49 | V |
| 13951.000 | 34.13 | -30.60 | 41.40 | 23.33 | 54.00 | 19.87 | V |
| 12759.000 | 32.83 | -31.80 | 39.60 | 24.93 | 54.00 | 21.17 | V |
| 7212.000 | 32.19 | -35.40 | 36.20 | 31.39 | 54.00 | 21.81 | V |
| 2389.600 | 39.48 | -19.80 | 28.20 | 31.08 | 54.00 | 14.52 | H |

Ch6

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17103.000 | 37.88 | -29.20 | 41.40 | 25.68 | 54.00 | 16.12 | H |
| 13828.500 | 35.79 | -30.00 | 41.20 | 24.49 | 54.00 | 18.21 | H |
| 11366.000 | 33.94 | -33.40 | 38.90 | 28.54 | 54.00 | 20.06 | H |
| 9614.000 | 33.36 | -34.30 | 37.60 | 30.06 | 54.00 | 20.64 | H |
| 7309.500 | 32.27 | -35.40 | 36.60 | 31.07 | 54.00 | 21.73 | H |
| 4851.500 | 28.06 | -37.50 | 33.40 | 32.16 | 54.00 | 25.94 | H |

Ch9

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17044.000 | 37.35 | -29.40 | 41.10 | 25.65 | 54.00 | 16.65 | V |
| 14680.500 | 34.45 | -30.00 | 41.50 | 22.95 | 54.00 | 19.55 | V |
| 11885.500 | 33.09 | -32.40 | 39.10 | 26.39 | 54.00 | 20.91 | V |
| 9109.500 | 31.93 | -34.30 | 37.70 | 28.53 | 54.00 | 22.07 | V |
| 7501.000 | 31.49 | -35.10 | 36.40 | 30.19 | 54.00 | 22.51 | V |
| 2485.000 | 43.50 | -19.70 | 28.20 | 35.00 | 54.00 | 10.50 | H |

802.11ax-HT20-Partial RU

Ch1

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17170.000 | 35.88 | -29.30 | 41.70 | 23.48 | 54.00 | 18.12 | H |
| 13888.000 | 33.70 | -31.10 | 41.30 | 23.50 | 54.00 | 20.30 | V |
| 11931.500 | 31.84 | -32.40 | 39.00 | 25.24 | 54.00 | 22.16 | V |
| 9614.000 | 30.29 | -34.30 | 37.60 | 26.99 | 54.00 | 23.71 | V |
| 7219.000 | 29.56 | -35.40 | 36.20 | 28.76 | 54.00 | 24.44 | V |
| 2383.100 | 40.50 | -19.80 | 28.20 | 32.10 | 54.00 | 13.50 | H |

Ch6

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17066.000 | 36.25 | -29.40 | 41.10 | 24.55 | 54.00 | 17.75 | V |
| 13948.000 | 33.75 | -30.60 | 41.40 | 22.95 | 54.00 | 20.25 | V |
| 12542.500 | 31.78 | -31.20 | 39.20 | 23.78 | 54.00 | 22.22 | H |
| 9189.500 | 30.25 | -34.70 | 37.70 | 27.25 | 54.00 | 23.75 | V |
| 7510.000 | 29.59 | -35.10 | 36.40 | 28.29 | 54.00 | 24.41 | H |
| 4848.000 | 26.29 | -37.70 | 33.00 | 30.99 | 54.00 | 27.71 | V |

Ch11

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17282.500 | 36.12 | -29.50 | 42.90 | 22.72 | 54.00 | 17.88 | H |
| 13931.000 | 33.93 | -30.60 | 41.40 | 23.13 | 54.00 | 20.07 | H |
| 11880.000 | 31.73 | -32.80 | 39.10 | 25.33 | 54.00 | 22.27 | V |
| 9613.500 | 30.56 | -34.30 | 37.60 | 27.26 | 54.00 | 23.44 | V |
| 7591.500 | 29.51 | -35.60 | 36.30 | 28.81 | 54.00 | 24.49 | V |
| 2489.600 | 40.07 | -19.70 | 28.20 | 31.57 | 54.00 | 13.93 | H |

802.11ax-HT40-Partial RU

Ch3

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 16944.000 | 36.25 | -29.70 | 40.60 | 25.35 | 54.00 | 17.75 | V |
| 13834.500 | 33.42 | -30.00 | 41.20 | 22.12 | 54.00 | 20.58 | V |
| 11881.500 | 31.69 | -32.40 | 39.10 | 24.99 | 54.00 | 22.31 | V |
| 9641.500 | 30.24 | -34.30 | 37.60 | 26.94 | 54.00 | 23.76 | H |
| 7204.000 | 29.66 | -35.40 | 36.20 | 28.86 | 54.00 | 24.34 | V |
| 2345.500 | 40.02 | -19.60 | 28.20 | 31.42 | 54.00 | 13.98 | V |

Ch6

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17026.500 | 35.92 | -29.30 | 40.90 | 24.42 | 54.00 | 18.08 | H |
| 13688.500 | 33.65 | -31.00 | 41.00 | 23.65 | 54.00 | 20.35 | V |
| 12655.000 | 31.60 | -31.80 | 39.40 | 24.00 | 54.00 | 22.40 | H |
| 9617.500 | 30.18 | -34.30 | 37.60 | 26.88 | 54.00 | 23.82 | V |
| 7308.000 | 30.02 | -35.40 | 36.60 | 28.82 | 54.00 | 23.98 | V |
| 4943.500 | 26.23 | -37.60 | 33.30 | 30.53 | 54.00 | 27.77 | V |

Ch9

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17326.500 | 36.52 | -29.50 | 42.90 | 23.12 | 54.00 | 17.48 | H |
| 13876.500 | 34.02 | -31.10 | 41.30 | 23.82 | 54.00 | 19.98 | H |
| 12652.500 | 32.37 | -31.80 | 39.40 | 24.77 | 54.00 | 21.63 | H |
| 9603.500 | 31.20 | -34.30 | 37.50 | 28.00 | 54.00 | 22.80 | H |
| 7605.000 | 30.62 | -35.60 | 36.30 | 29.92 | 54.00 | 23.38 | H |
| 2485.000 | 40.56 | -19.70 | 28.20 | 32.06 | 54.00 | 13.44 | H |

Band edge compliance

802.11b mode

| Mode | Channel | Test Results | Conclusion |
|---------|---------|--------------|------------|
| 802.11b | 1 | Fig. 7.1.1 | P |
| | 11 | Fig. 7.1.2 | P |

802.11g mode

| Mode | Channel | Test Results | Conclusion |
|---------|---------|--------------|------------|
| 802.11g | 1 | Fig. 7.1.3 | P |
| | 11 | Fig. 7.1.4 | P |

802.11n-HT20 mode

| Mode | Channel | Test Results | Conclusion |
|-------------------|---------|--------------|------------|
| 802.11n (HT20) | 1 | Fig. 7.1.5 | P |
| | 11 | Fig. 7.1.6 | P |

802.11n-HT40 mode

| Mode | Channel | Test Results | Conclusion |
|-------------------|---------|--------------|------------|
| 802.11n (HT40) | 3 | Fig. 7.1.7 | P |
| | 9 | Fig. 7.1.8 | P |

802.11ac-HT20 mode

| Mode | Channel | Test Results | Conclusion |
|--------------------|---------|--------------|------------|
| 802.11ac (HT20) | 1 | Fig. 7.1.9 | P |
| | 11 | Fig. 7.1.10 | P |

802.11ac-HT40 mode

| Mode | Channel | Test Results | Conclusion |
|--------------------|---------|--------------|------------|
| 802.11ac (HT40) | 3 | Fig. 7.1.11 | P |
| | 9 | Fig. 7.1.12 | P |

802.11ax-HT20 mode full RU

| Mode | Channel | Test Results | Conclusion |
|--------------------|---------|--------------|------------|
| 802.11ax (HT20) | 1 | Fig. 7.1.13 | P |
| | 11 | Fig. 7.1.14 | P |

802.11ax-HT40 mode full RU

| Mode | Channel | Test Results | Conclusion |
|--------------------|---------|--------------|------------|
| 802.11ax (HT40) | 3 | Fig. 7.1.15 | P |
| | 9 | Fig. 7.1.16 | P |

802.11ax-HT20 mode partial RU

| Mode | Channel | RU Configuration | Test Results | Conclusion |
|--------------------|---------|------------------|--------------|------------|
| 802.11ax (HT20) | 1 | 26RU index 0 | Fig. 7.1.17 | P |
| | 11 | 26RU index 8 | Fig. 7.1.18 | P |

802.11ax-HT40 mode partial RU

| Mode | Channel | RU Configuration | Test Results | Conclusion |
|--------------------|---------|------------------|--------------|------------|
| 802.11ax (HT40) | 3 | 26RU index 0 | Fig. 7.1.19 | P |
| | 9 | 26RU index 17 | Fig. 7.1.20 | P |

Conclusion: Pass

Test graphs as below:

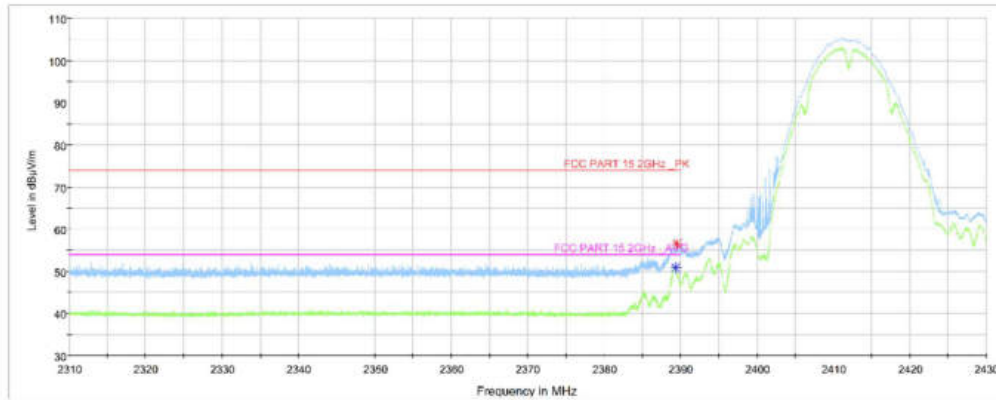


Fig. 7.1.1 Transmitter Spurious Emission - Radiated (Power): 802.11b, ch1, Chain0, 2.31 GHz – 2.45GHz

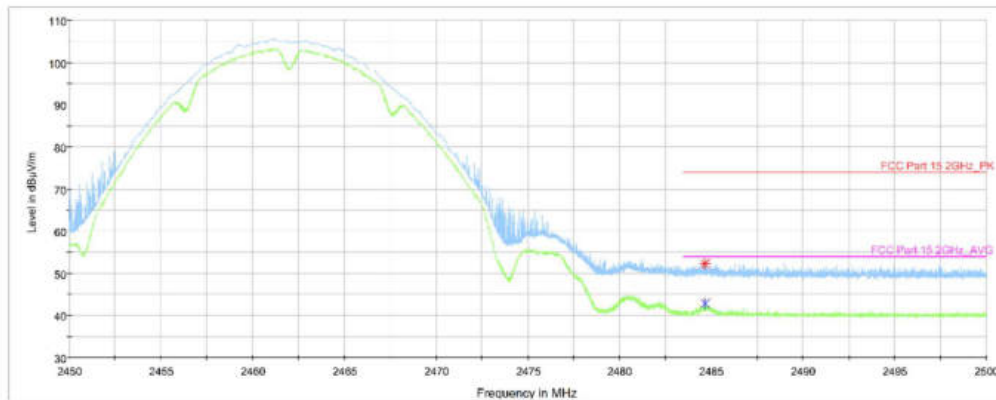


Fig. 7.1.2 Transmitter Spurious Emission - Radiated (Power): 802.11b, ch11, Chain0, 2.45 GHz - 2.50GHz

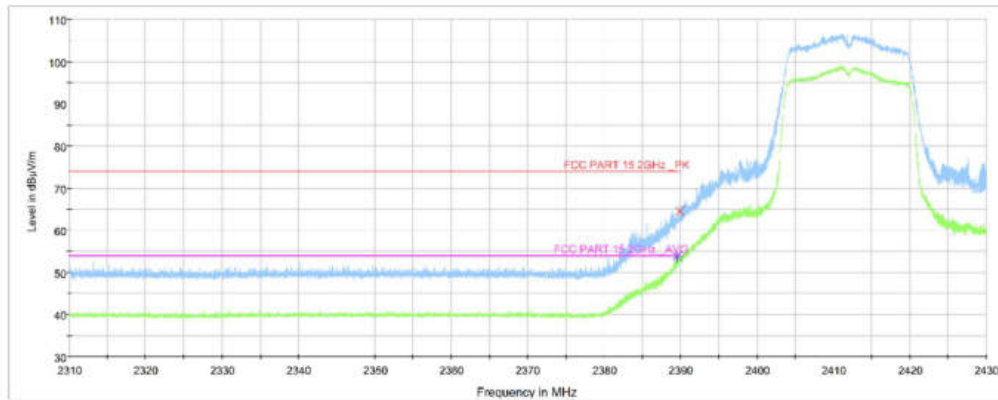


Fig. 7.1.3 Transmitter Spurious Emission - Radiated (Power): 802.11g, ch1, Chain0, 2.31 GHz - 2.43GHz

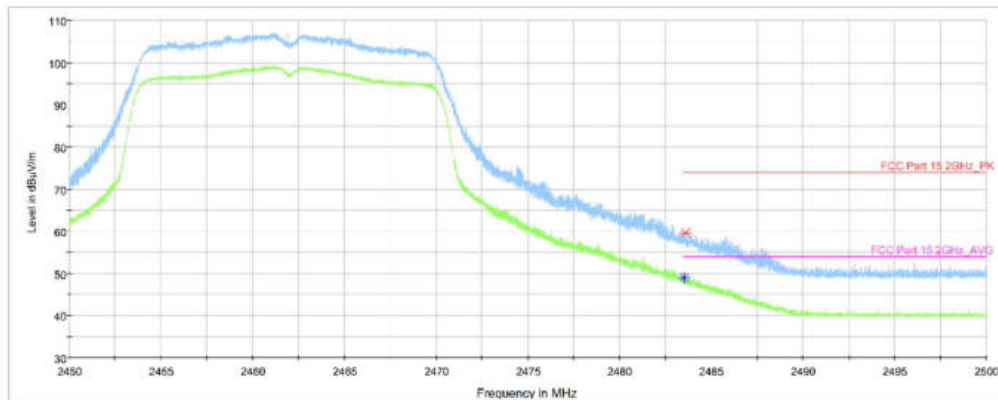


Fig. 7.1.4 Transmitter Spurious Emission - Radiated (Power): 802.11g, ch11, Chain0, 2.45 GHz - 2.50GHz

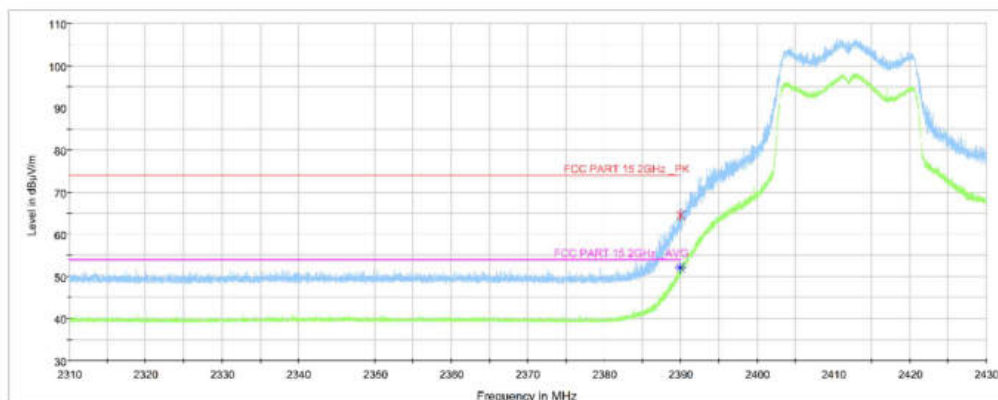


Fig. 7.1.5 Transmitter Spurious Emission - Radiated (Power): 802.11n-HT20, ch1, MIMO, 2.31 GHz - 2.43GHz

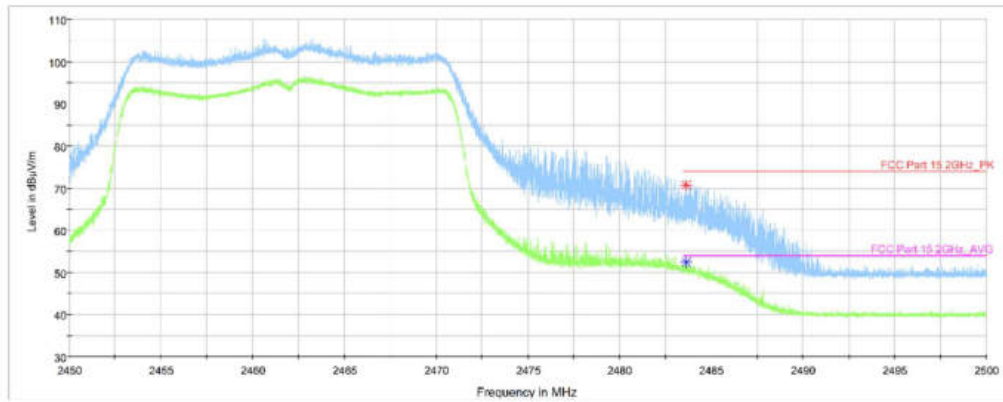


Fig. 7.1.6 Transmitter Spurious Emission - Radiated (Power): 802.11n-HT20, ch11, MIMO,2.45 GHz - 2.50GHz

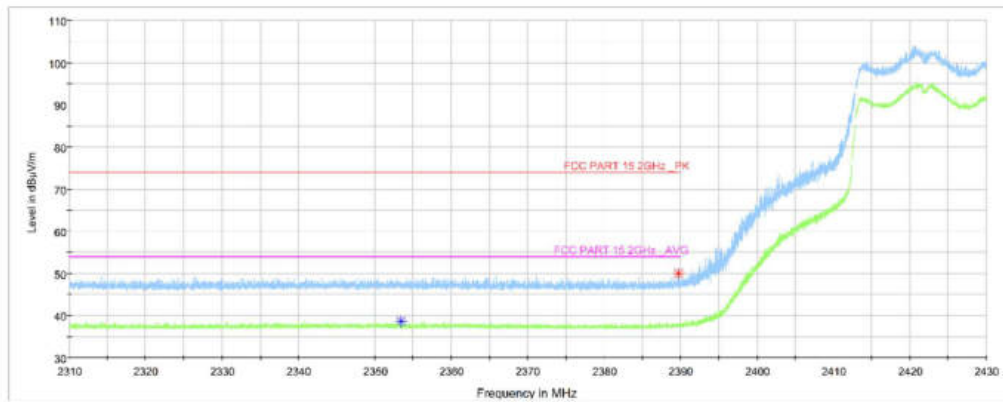


Fig. 7.1.7 Transmitter Spurious Emission - Radiated (Power): 802.11n-HT40, ch3, MIMO,2.31 GHz - 2.43GHz

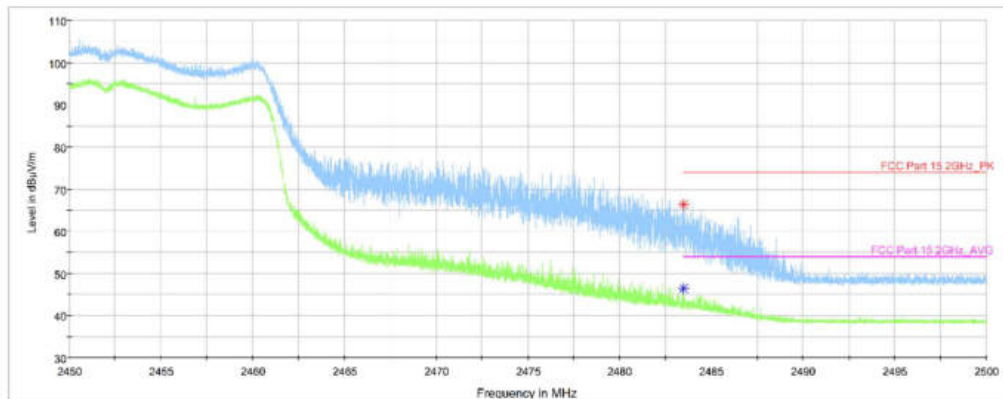


Fig. 7.1.8 Transmitter Spurious Emission - Radiated (Power): 802.11n-HT40, ch9, MIMO,2.45 GHz - 2.50GHz

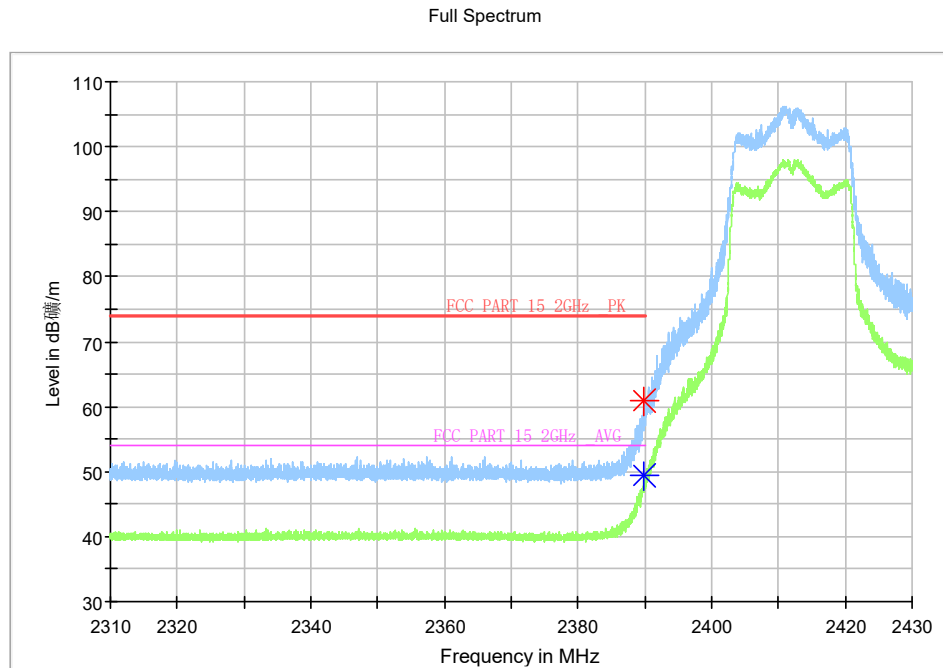


Fig. 7.1.9 Transmitter Spurious Emission - Radiated (Power): 802.11ac-HT20, ch1, MIMO,2.31 GHz - 2.43GHz

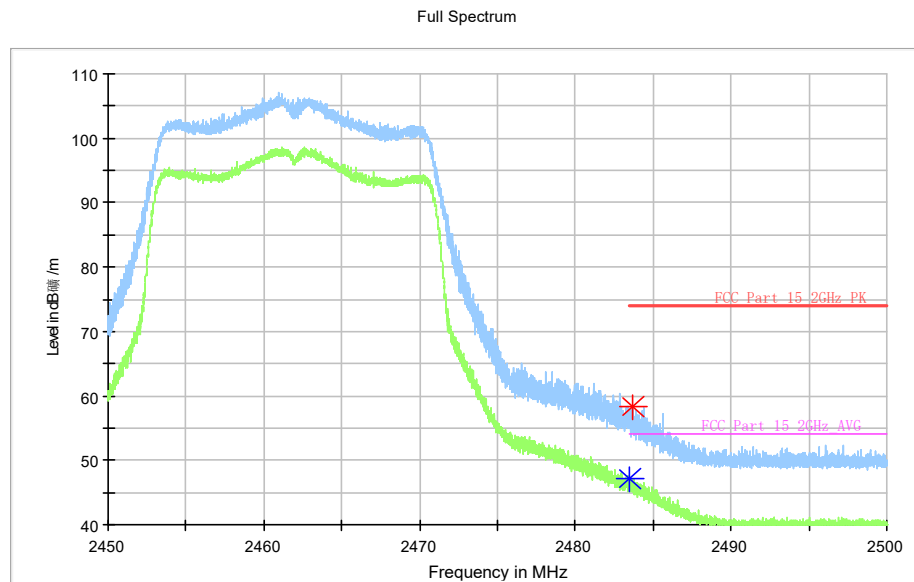


Fig. 7.1.10 Transmitter Spurious Emission - Radiated (Power): 802.11ac-HT20, ch11, MIMO,2.45 GHz - 2.50GHz

Full Spectrum

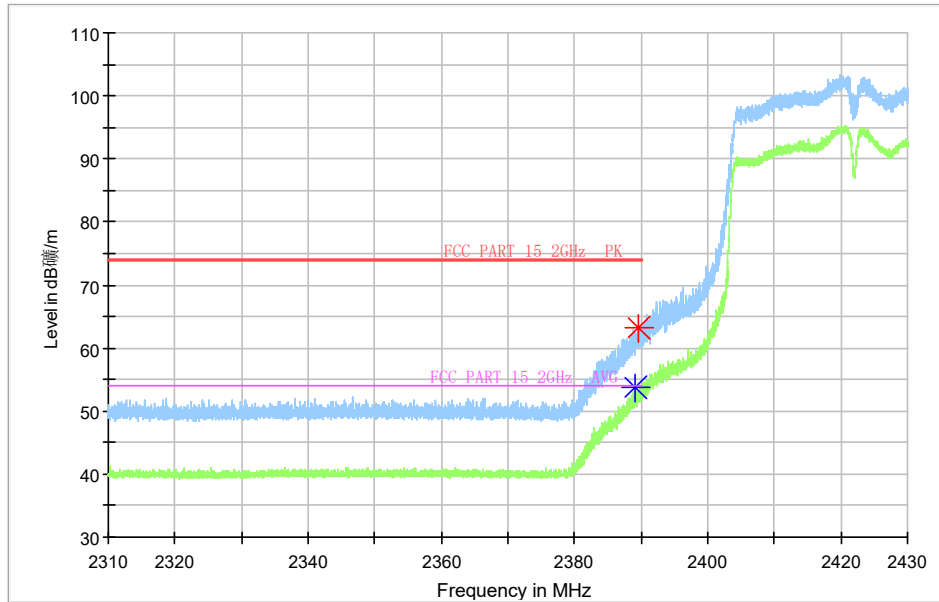


Fig. 7.1.11 Transmitter Spurious Emission - Radiated (Power): 802.11ac-HT40, ch3, MIMO, 2.31 GHz - 2.43GHz

Full Spectrum

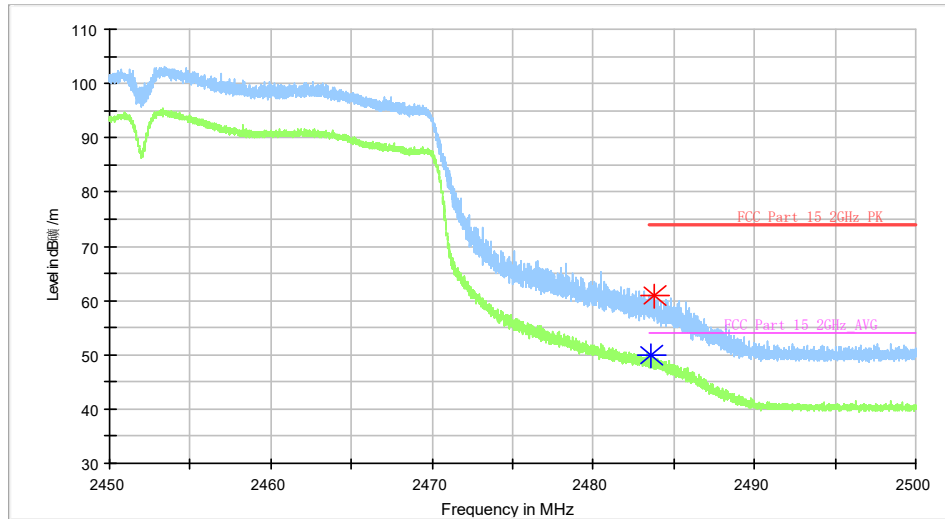


Fig. 7.1.12 Transmitter Spurious Emission - Radiated (Power): 802.11ac-HT40, ch9, MIMO, 2.45 GHz - 2.50GHz

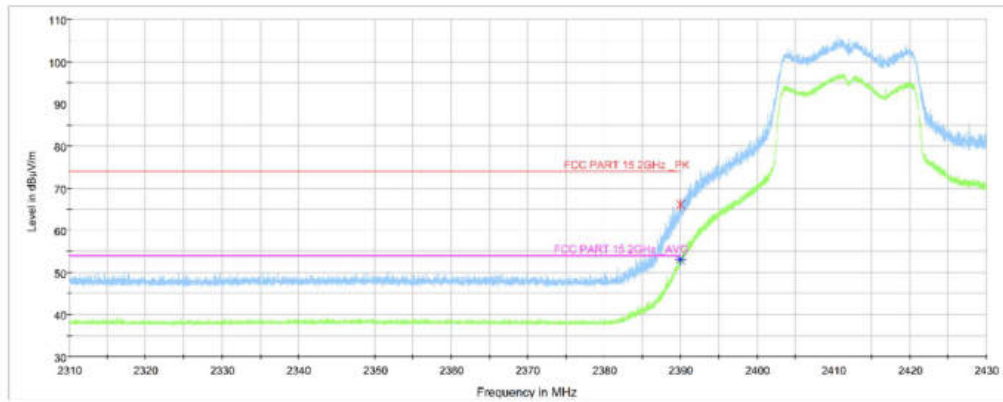


Fig. 7.1.13 Transmitter Spurious Emission - Radiated (Power): 802.11ax-HT20, ch1, MIMO,2.31 GHz - 2.43GHz

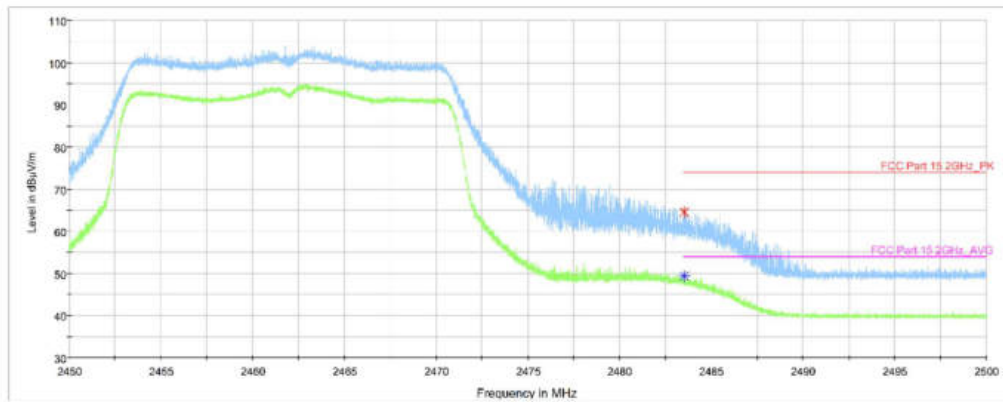


Fig. 7.1.14 Transmitter Spurious Emission - Radiated (Power): 802.11ax-HT20, ch11, MIMO,2.45 GHz - 2.50GHz

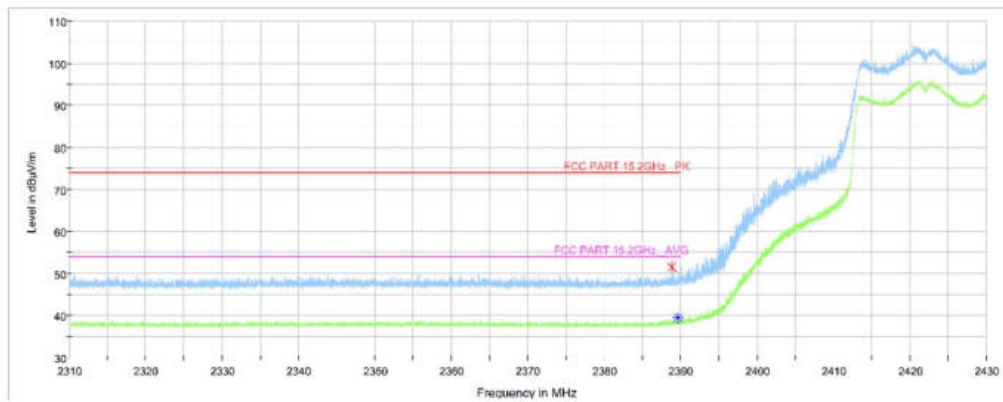


Fig. 7.1.15 Transmitter Spurious Emission - Radiated (Power): 802.11ax-HT40, ch3, MIMO,2.31 GHz - 2.43GHz

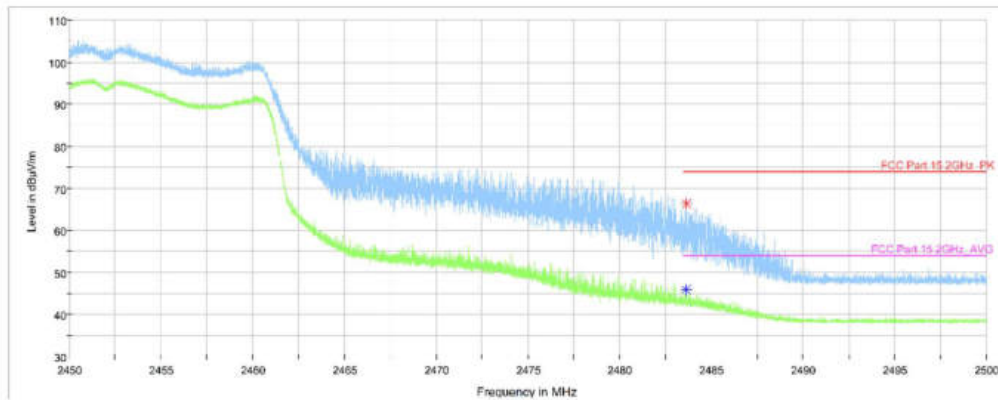


Fig. 7.1.16 Transmitter Spurious Emission - Radiated (Power): 802.11ax-HT40, ch9, MIMO,2.45 GHz - 2.50GHz

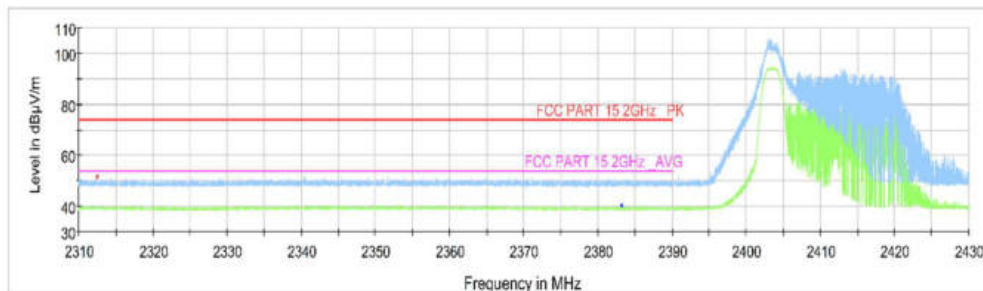


Fig. 7.1.17 Transmitter Spurious Emission - Radiated (Power): 802.11ax-HT20, ch1, MIMO, Partial RU, 2.31 GHz - 2.43GHz

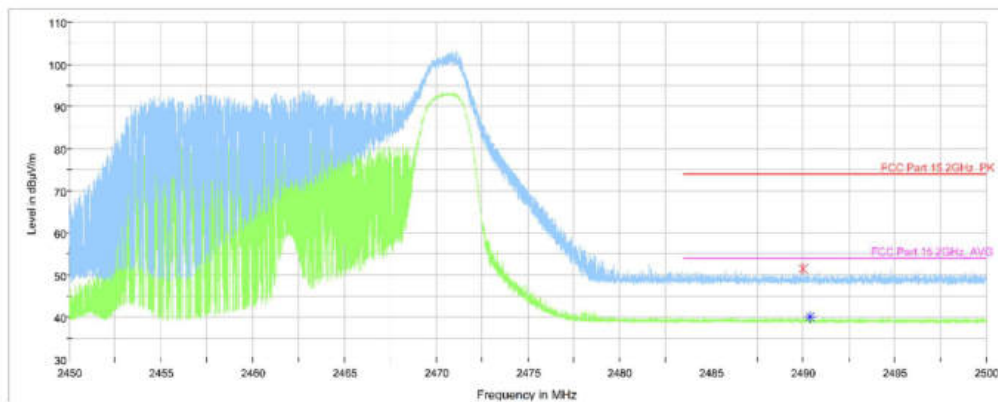


Fig. 7.1.18 Transmitter Spurious Emission - Radiated (Power): 802.11ax-HT20, ch11, MIMO, Partial RU,2.45 GHz - 2.50GHz

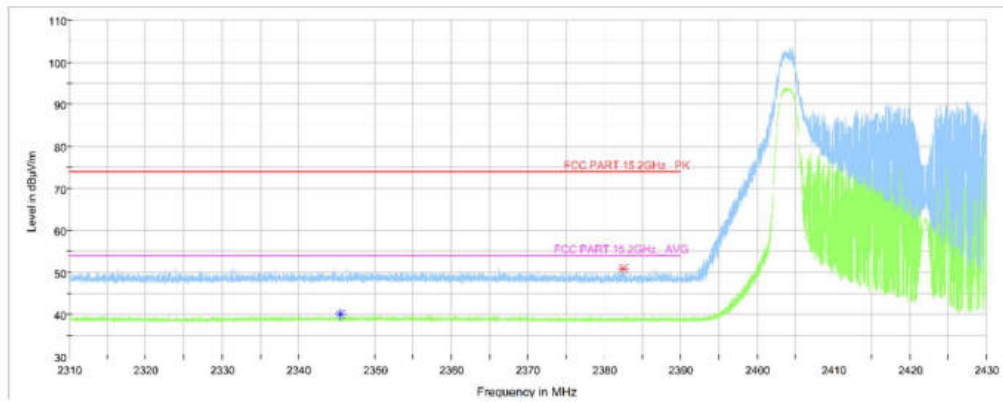


Fig. 7.1.19 Transmitter Spurious Emission - Radiated (Power): 802.11ax-HT40, ch3, MIMO, Partial RU, 2.31 GHz - 2.43GHz

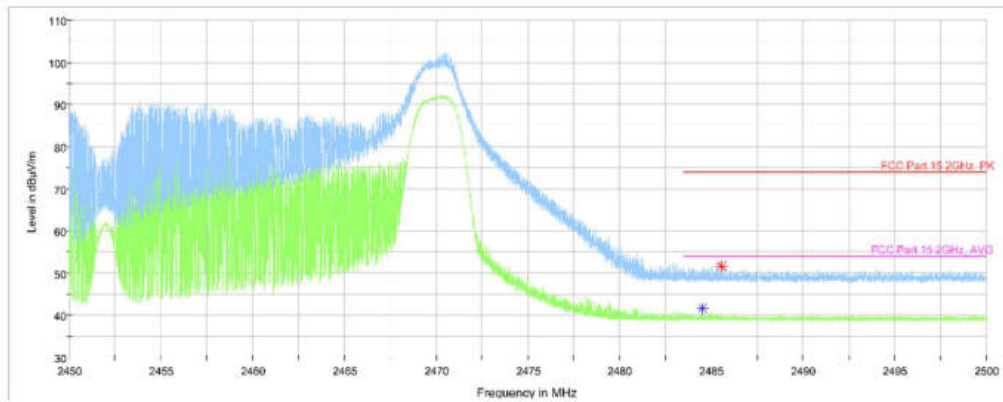


Fig. 7.1.20 Transmitter Spurious Emission - Radiated (Power): 802.11ax-HT40, ch9, MIMO, Partial RU, 2.45 GHz - 2.50GHz

A.8. AC Power-line Conducted Emission

Summary

All AC line conducted spurious emissions are measured with a receiver connected to a grounded LISN while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for conducted spurious emissions. Only the conducted emissions of the configuration that produced the worst case emissions are reported in this section

Method of Measurement:

See Clause 6.2 of ANSI C63.10 specifically.

See Clause 4 and Clause 5 of ANSI C63.10 generally.

The conducted emissions from the AC port of the EUT are measured in a shielding room. The EUT is connected to a Line Impedance Stabilization Network (LISN). An overview sweep with peak detection was performed. The measurements were performed with a quasi-peak detector and if required, an average detector.

The conducted emission measurements were made with the following detector of the test receiver: Quasi-Peak / Average Detector.

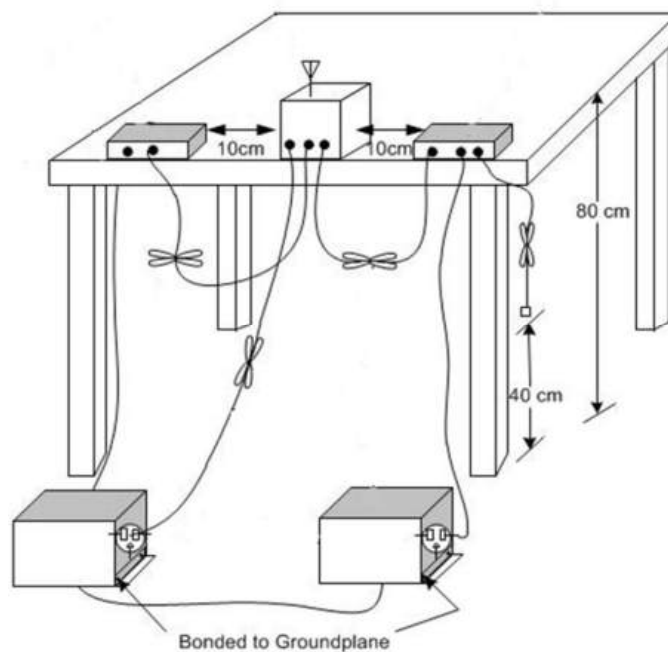
The measurement bandwidth is:

| Frequency of Emission (MHz) | RBW/IF bandwidth |
|-----------------------------|------------------|
| 0.15-30 | 9kHz |

Test Condition:

| Voltage (V) | Frequency (Hz) |
|-------------|----------------|
| 120 | 60 |

Test setup



Measurement Result and limit:

WLAN (Quasi-peak Limit)

| Frequency range (MHz) | Quasi-peak Limit (dB μ V) | Result (dB μ V) | | Conclusion |
|--|-------------------------------|---------------------|-----------|------------|
| | | With charger | | |
| | | 802.11b | Idle | |
| 0.15 to 0.5 | 66 to 56 | Fig.A.8.1 | Fig.A.8.2 | P |
| 0.5 to 5 | 56 | | | |
| 5 to 30 | 60 | | | |
| NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz. | | | | |

WLAN (Average Limit)

| Frequency range (MHz) | Average Limit (dB μ V) | Result (dB μ V) | | Conclusion |
|--|----------------------------|---------------------|-----------|------------|
| | | With charger | | |
| | | 802.11b | Idle | |
| 0.15 to 0.5 | 56 to 46 | Fig.A.8.1 | Fig.A.8.2 | P |
| 0.5 to 5 | 46 | | | |
| 5 to 30 | 50 | | | |
| NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz. | | | | |

Conclusion: Pass
Test graphs as below:

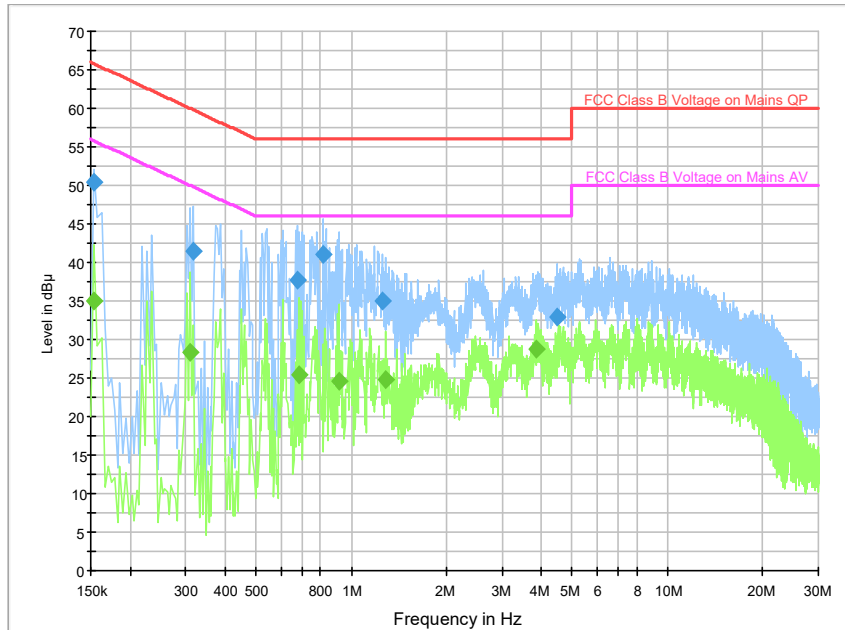


Fig.A.8.1 AC Powerline Conducted Emission-802.11b

Note: The graphic result above is the maximum of the measurements for both phase line and neutral line.

Final Result 1

| Frequency (MHz) | QuasiPeak (dBuV) | Meas. Time (ms) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBuV) | Comment |
|-----------------|------------------|-----------------|-----------------|--------|------|------------|-------------|--------------|---------|
| 0.154000 | 50.5 | 2000.0 | 9.000 | On | L1 | 19.9 | 15.3 | 65.8 | |
| 0.318000 | 41.4 | 2000.0 | 9.000 | On | L1 | 19.7 | 18.3 | 59.8 | |
| 0.674000 | 37.7 | 2000.0 | 9.000 | On | N | 19.7 | 18.3 | 56.0 | |
| 0.814000 | 41.0 | 2000.0 | 9.000 | On | L1 | 19.7 | 15.0 | 56.0 | |
| 1.254000 | 35.0 | 2000.0 | 9.000 | On | N | 19.6 | 21.0 | 56.0 | |
| 4.490000 | 33.0 | 2000.0 | 9.000 | On | N | 19.6 | 23.0 | 56.0 | |

Final Result 2

| Frequency (MHz) | CAverage (dBuV) | Meas. Time (ms) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBuV) | Comment |
|-----------------|-----------------|-----------------|-----------------|--------|------|------------|-------------|--------------|---------|
| 0.154000 | 34.9 | 2000.0 | 9.000 | On | L1 | 19.9 | 20.9 | 55.8 | |
| 0.310000 | 28.4 | 2000.0 | 9.000 | On | N | 19.7 | 21.6 | 50.0 | |
| 0.682000 | 25.4 | 2000.0 | 9.000 | On | L1 | 19.7 | 20.6 | 46.0 | |
| 0.914000 | 24.5 | 2000.0 | 9.000 | On | L1 | 19.7 | 21.5 | 46.0 | |
| 1.286000 | 24.8 | 2000.0 | 9.000 | On | N | 19.6 | 21.2 | 46.0 | |
| 3.834000 | 28.7 | 2000.0 | 9.000 | On | N | 19.6 | 17.3 | 46.0 | |

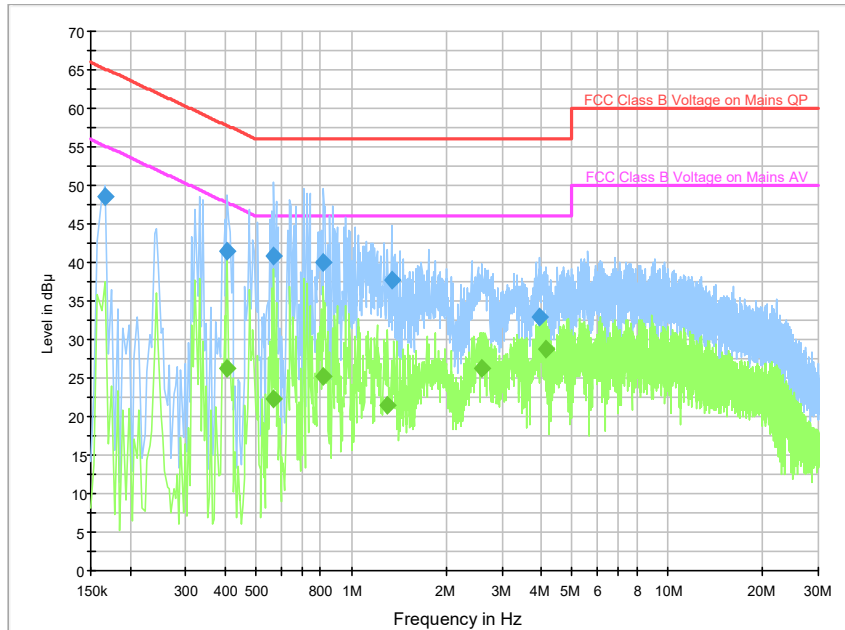


Fig.A.8.2 AC Powerline Conducted Emission-Idle

Note: The graphic result above is the maximum of the measurements for both phase line and neutral line.

Final Result 1

| Frequency (MHz) | QuasiPeak (dBuV) | Meas. Time (ms) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBuV) | Comment |
|-----------------|------------------|-----------------|-----------------|--------|------|------------|-------------|--------------|---------|
| 0.166000 | 48.5 | 2000.0 | 9.000 | On | N | 19.7 | 16.7 | 65.2 | |
| 0.406000 | 41.5 | 2000.0 | 9.000 | On | L1 | 19.7 | 16.2 | 57.7 | |
| 0.570000 | 40.8 | 2000.0 | 9.000 | On | L1 | 19.7 | 15.2 | 56.0 | |
| 0.818000 | 40.0 | 2000.0 | 9.000 | On | L1 | 19.7 | 16.0 | 56.0 | |
| 1.338000 | 37.6 | 2000.0 | 9.000 | On | N | 19.6 | 18.4 | 56.0 | |
| 3.942000 | 33.0 | 2000.0 | 9.000 | On | L1 | 19.6 | 23.0 | 56.0 | |

Final Result 2

| Frequency (MHz) | CAverage (dBuV) | Meas. Time (ms) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBuV) | Comment |
|-----------------|-----------------|-----------------|-----------------|--------|------|------------|-------------|--------------|---------|
| 0.406000 | 26.2 | 2000.0 | 9.000 | On | L1 | 19.7 | 21.6 | 47.7 | |
| 0.570000 | 22.2 | 2000.0 | 9.000 | On | L1 | 19.7 | 23.8 | 46.0 | |
| 0.818000 | 25.2 | 2000.0 | 9.000 | On | L1 | 19.7 | 20.8 | 46.0 | |
| 1.306000 | 21.4 | 2000.0 | 9.000 | On | N | 19.6 | 24.6 | 46.0 | |
| 2.590000 | 26.3 | 2000.0 | 9.000 | On | N | 19.6 | 19.7 | 46.0 | |
| 4.146000 | 28.8 | 2000.0 | 9.000 | On | L1 | 19.6 | 17.2 | 46.0 | |



A.9. Antenna Requirement

The antenna of the device is permanently attached. There are no provisions for connection to an external antenna.

The unit complies with the requirement of FCC Part 15.203.

ANNEX B: EUT parameters

Disclaimer: The antenna gain and worse case provided by the client may affect the validity of the measurement results in this report, and the client shall bear the impact and consequences arising therefrom.

ANNEX C: Accreditation Certificate



The image shows an accreditation certificate from A2LA. At the top, there are logos for ILAC-MRA and A2LA. The text reads: "Accredited Laboratory", "A2LA has accredited", "TELECOMMUNICATION TECHNOLOGY LABS, CAICT", "Beijing, People's Republic of China", "for technical competence in the field of", "Electrical Testing". Below this, a paragraph states: "This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017)." To the left of the text is a gold seal with "CORPORATE SEAL" and "A2LA" visible. To the right is a signature and the text: "Presented this 26th day of June 2023.", "Mr. Trace McInturf, Vice President, Accreditation Services", "For the Accreditation Council", "Certificate Number 7049.01", "Valid to July 31, 2024". At the bottom, it says: "For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation."

END OF REPORT