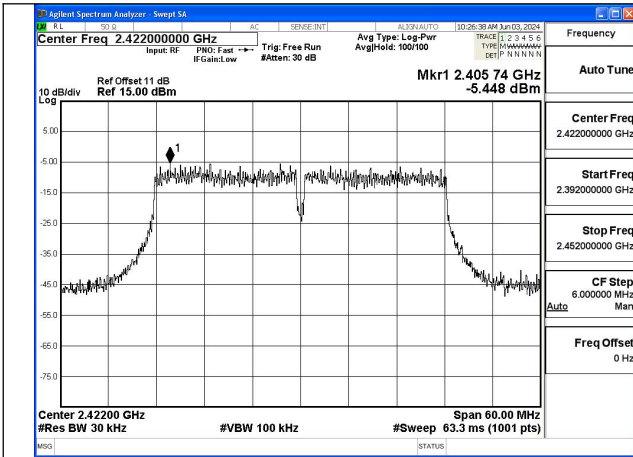
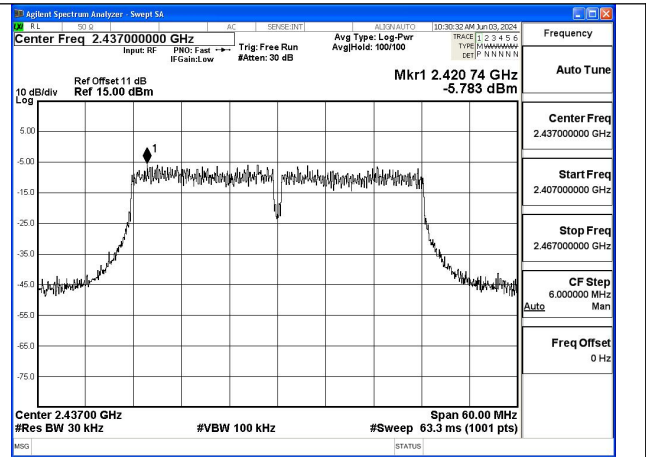


Mode:802.11n HT20 Frequency:2462MHz Ant:Chain0

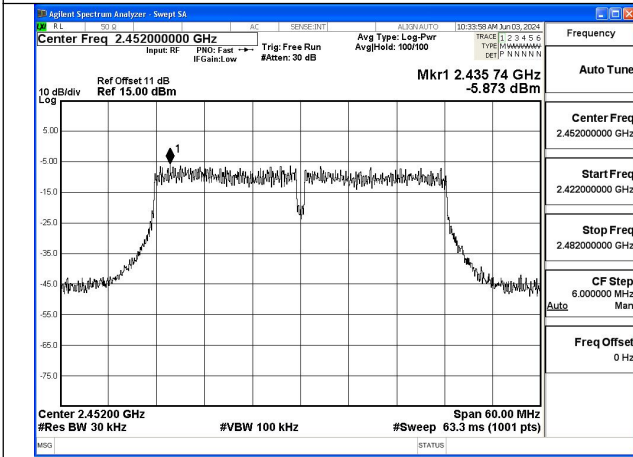
Test Mode: 802.11n HT40



Mode:802.11n HT40 Frequency:2422MHz Ant:Chain0



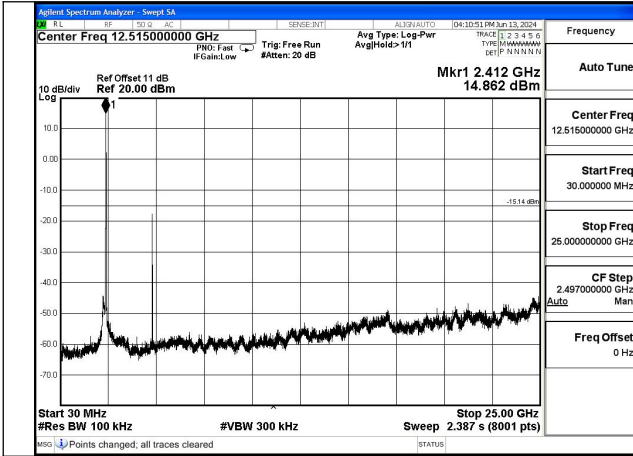
Mode:802.11n HT40 Frequency:2437MHz Ant:Chain0



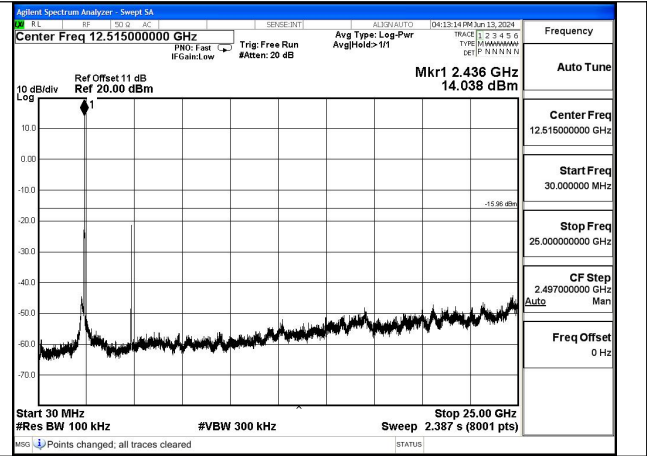
Mode:802.11n HT40 Frequency:2452MHz Ant:Chain0

Conducted Out of band emission measurement

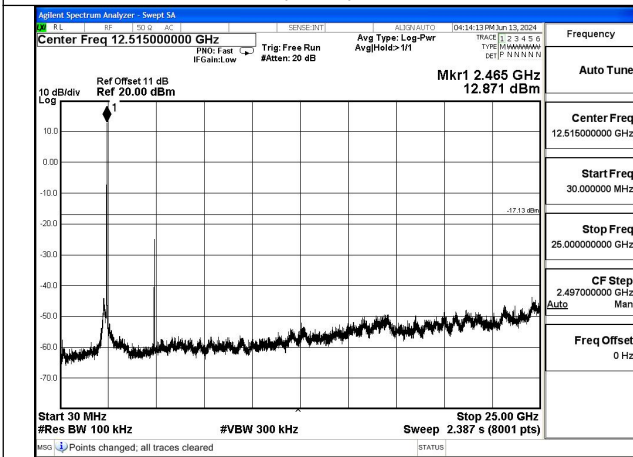
Test Mode: 802.11b



Mode:802.11b Frequency:2412MHz Ant:Chain0

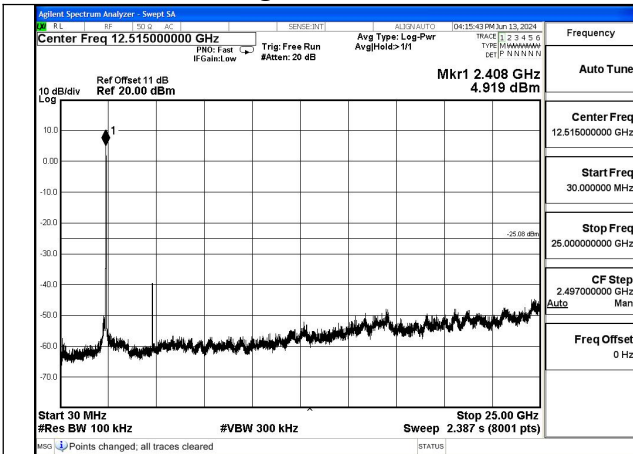


Mode:802.11b Frequency:2437MHz Ant:Chain0

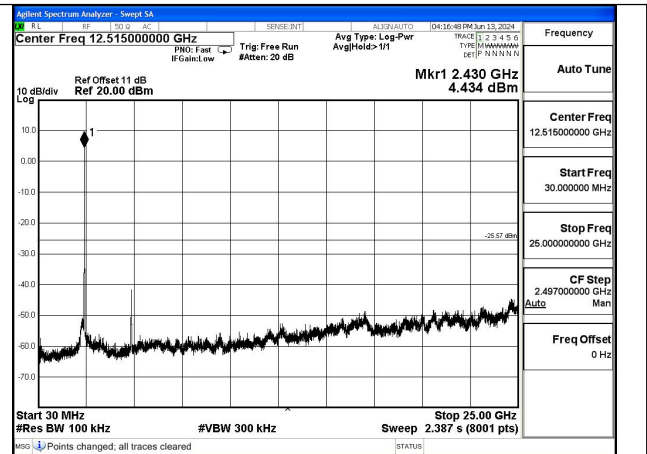


Mode:802.11b Frequency:2462MHz Ant:Chain0

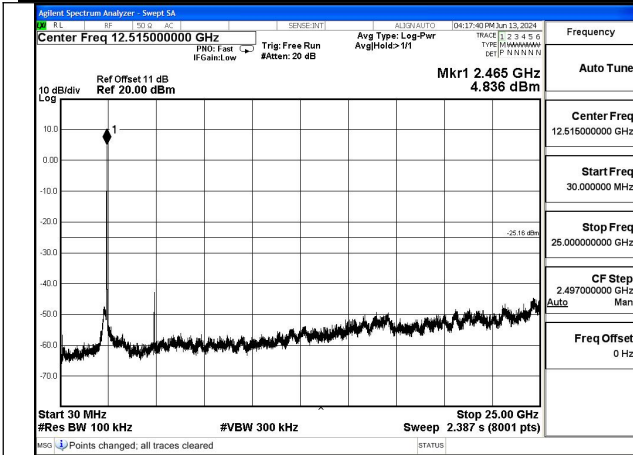
Test Mode: 802.11g



Mode:802.11g Frequency:2412MHz Ant:Chain0

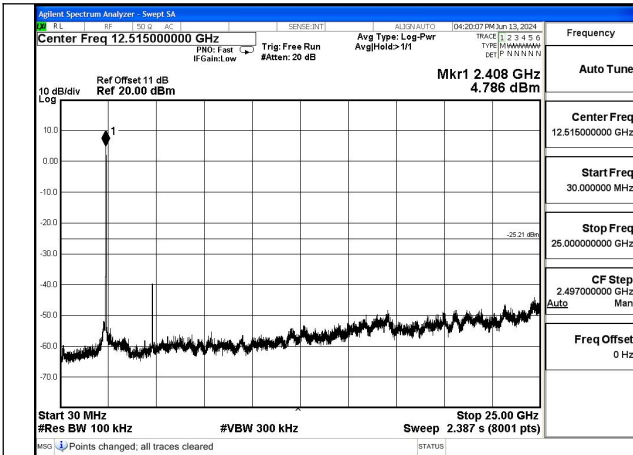


Mode:802.11g Frequency:2437MHz Ant:Chain0

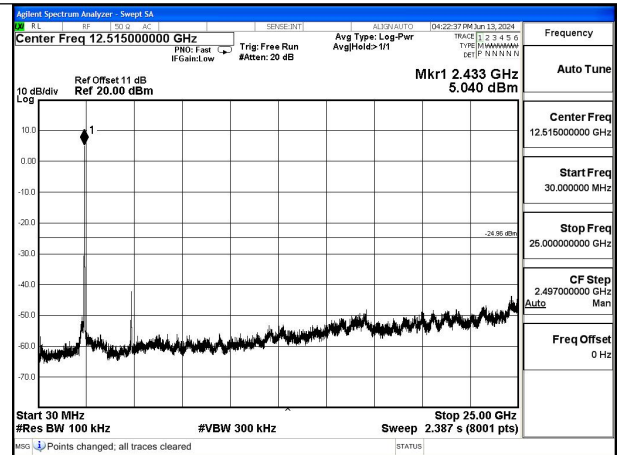


Mode:802.11g Frequency:2462MHz Ant:Chain0

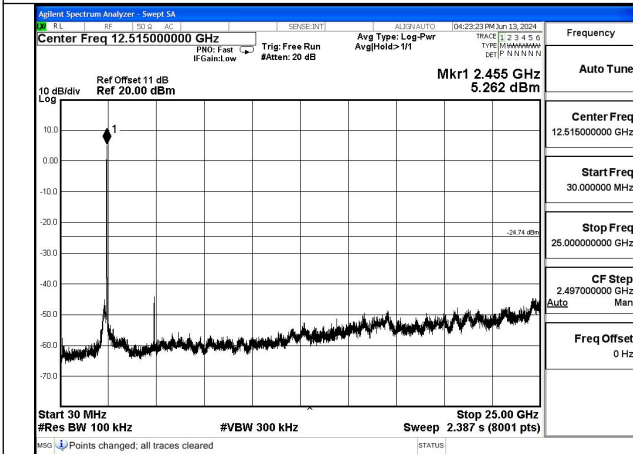
Test Mode: 802.11n HT20



Mode:802.11n HT20 Frequency:2412MHz Ant:Chain0

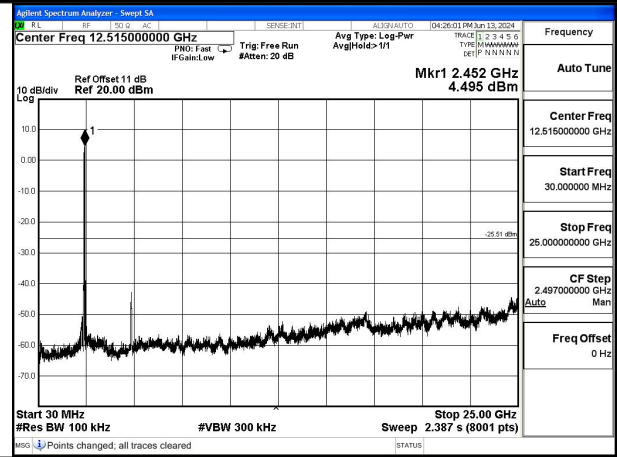
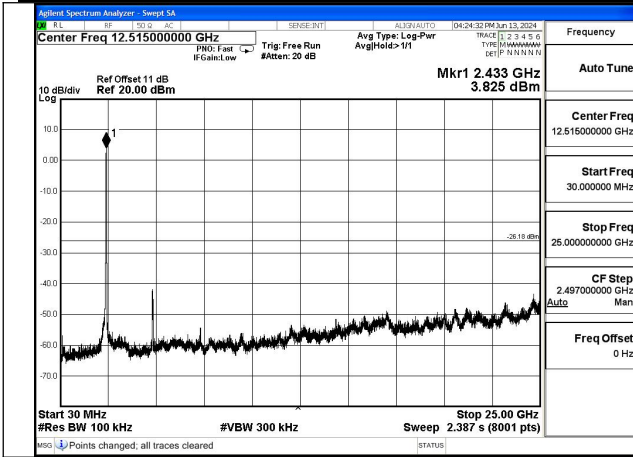


Mode:802.11n HT20 Frequency:2437MHz Ant:Chain0



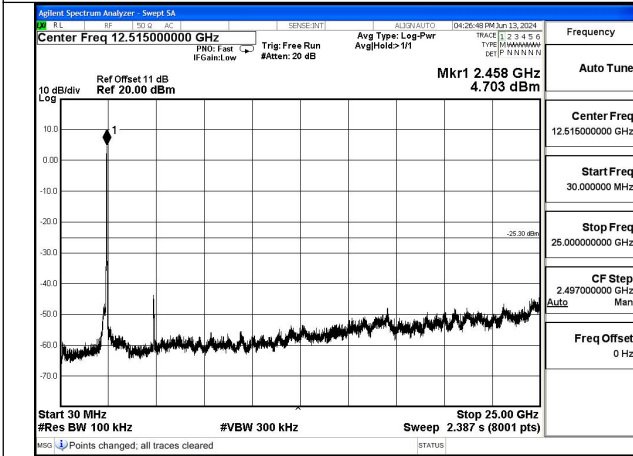
Mode:802.11n HT20 Frequency:2462MHz Ant:Chain0

Test Mode: 802.11n HT40



Mode:802.11n HT40 Frequency:2422MHz Ant:Chain0

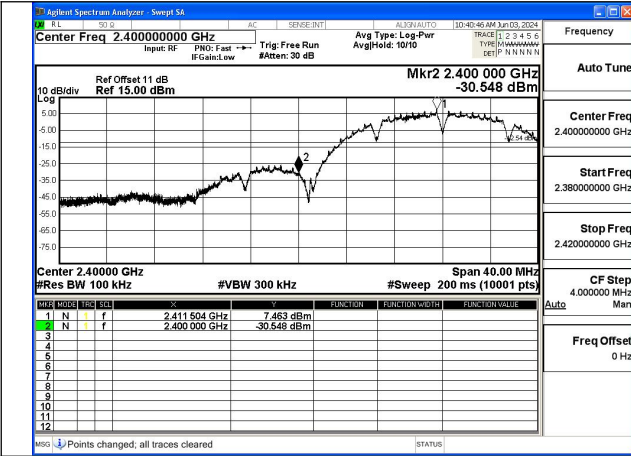
Mode:802.11n HT40 Frequency:2437MHz Ant:Chain0



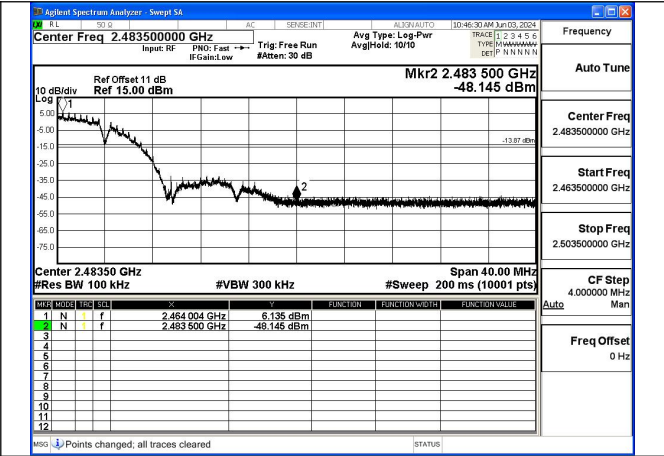
Mode:802.11n HT40 Frequency:2452MHz Ant:Chain0

Band edge measurement

Test Mode: 802.11b

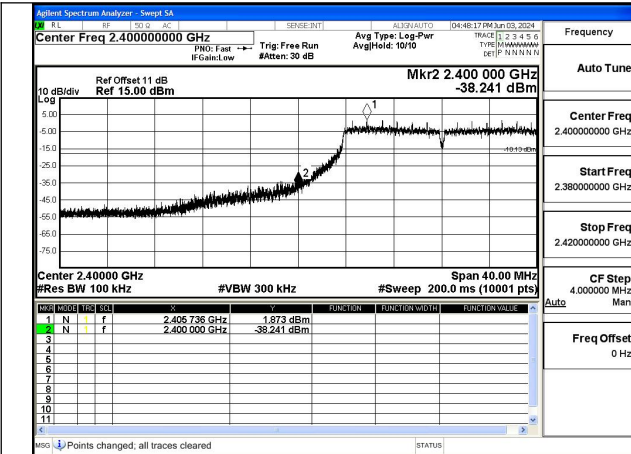


Mode:802.11b Frequency:2412MHz Ant:Chain0

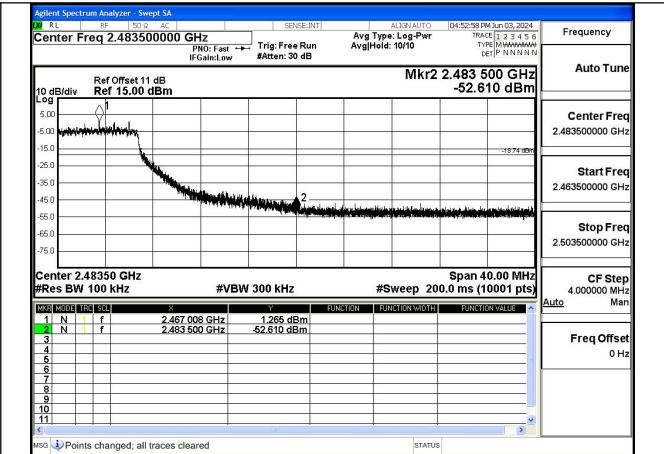


Mode:802.11b Frequency:2462MHz Ant:Chain0

Test Mode: 802.11g

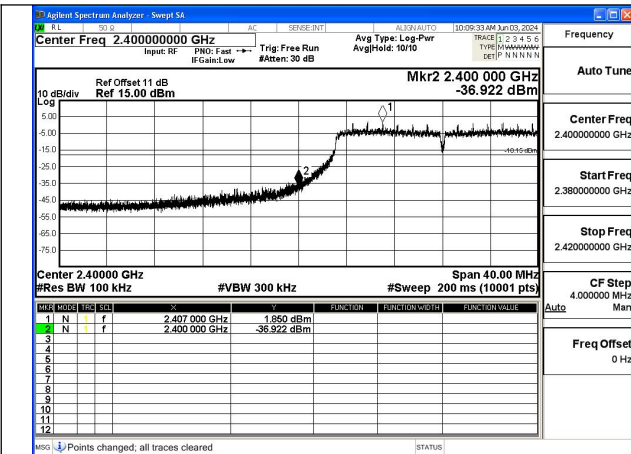


Mode:802.11g Frequency:2412MHz Ant:Chain0

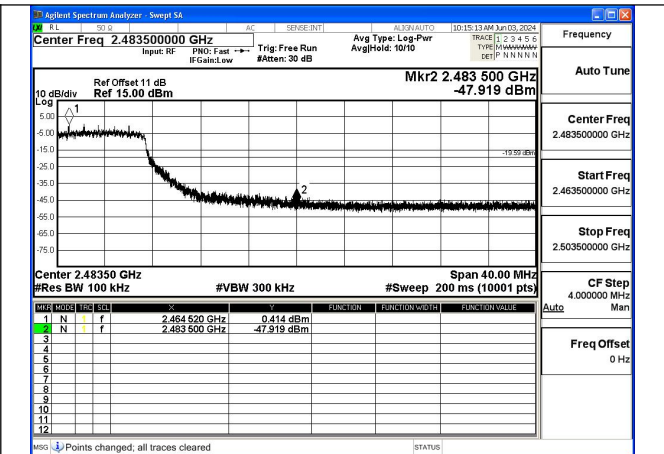


Mode:802.11g Frequency:2462MHz Ant:Chain0

Test Mode: 802.11n HT20

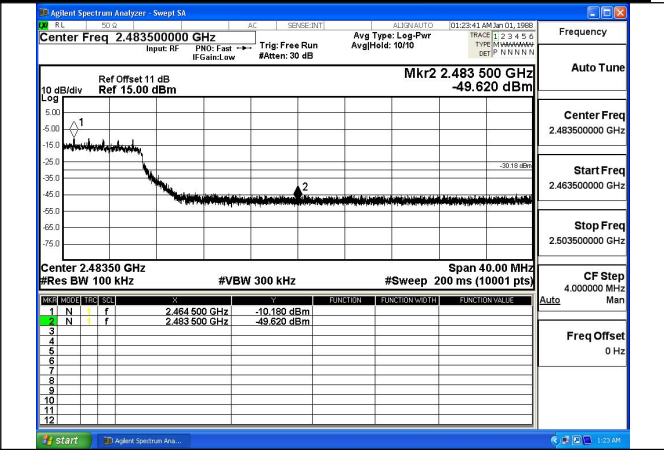
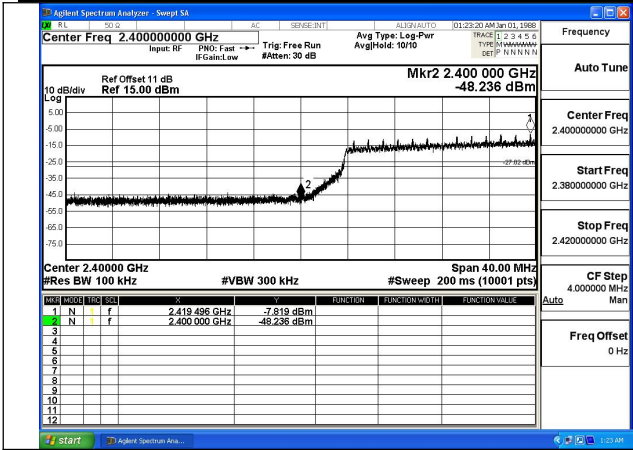


Mode:802.11n HT20 Frequency:2412MHz Ant:Chain0



Mode:802.11n HT20 Frequency:2462MHz Ant:Chain0

Test Mode: 802.11n HT40



Mode:802.11n HT40 Frequency:2422MHz Ant:Chain0

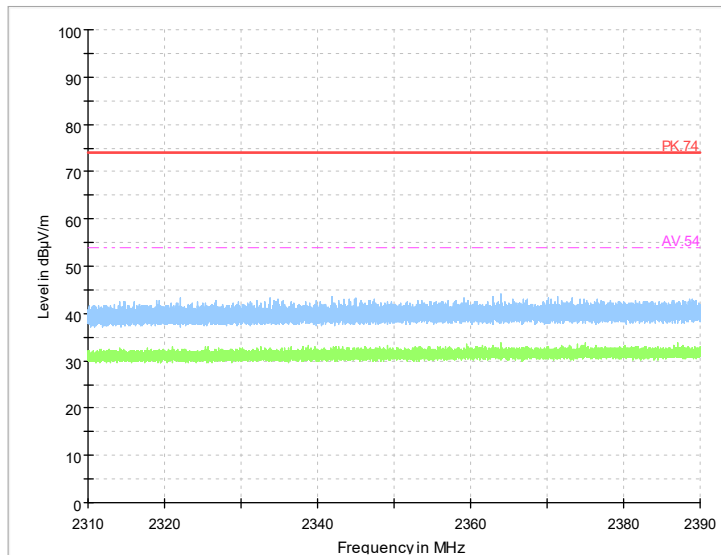
Mode:802.11n HT40 Frequency:2452MHz Ant:Chain0

APPENDIX B – TEST DATA OF RADIATED EMISSION

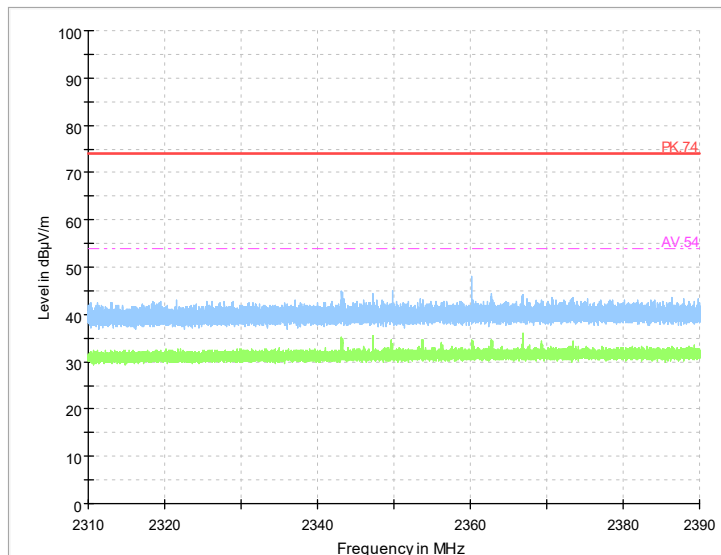
Note: The worst channel results are reflected in the report.

Note: The scanned graph represents the maximum of both horizontal and vertical polarizations and is not a single horizontal or vertical polarization scan.

Radiated Emission Band Edge

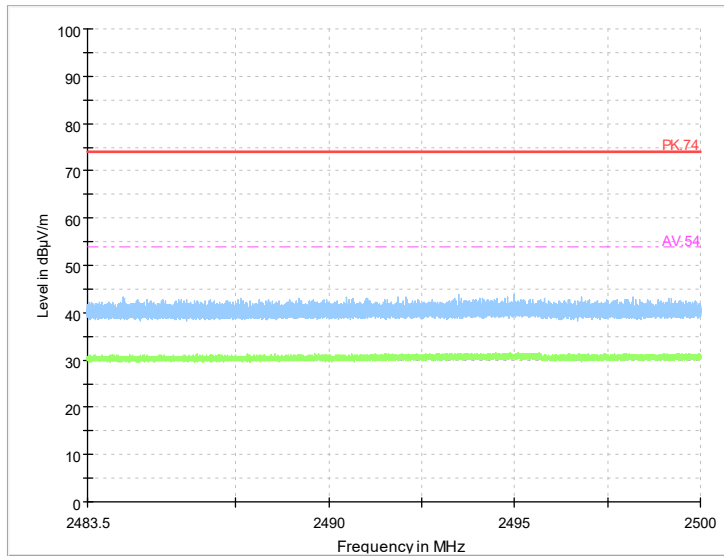


Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11b
Polarization: V

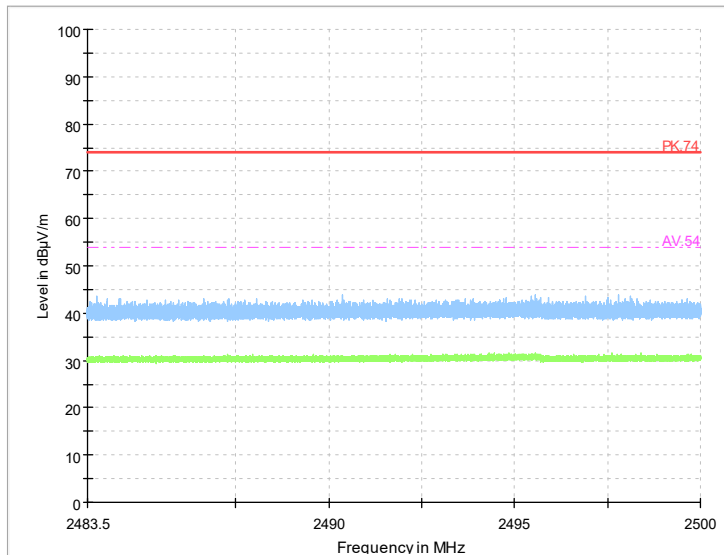


Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11b

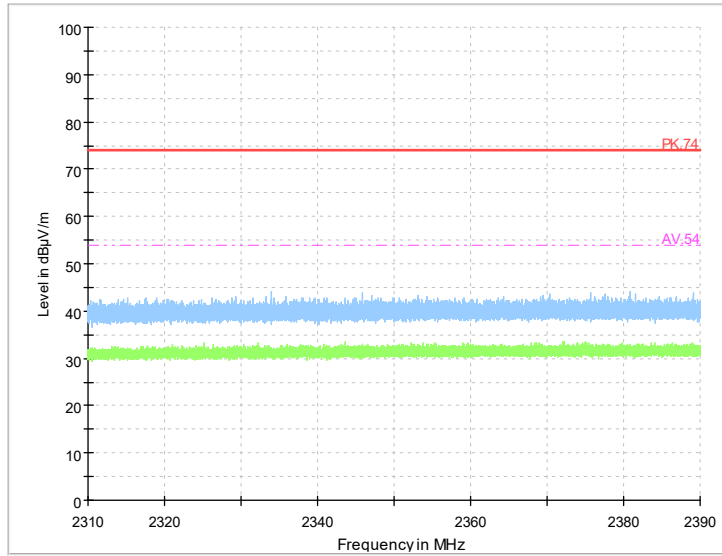
Polarization: H



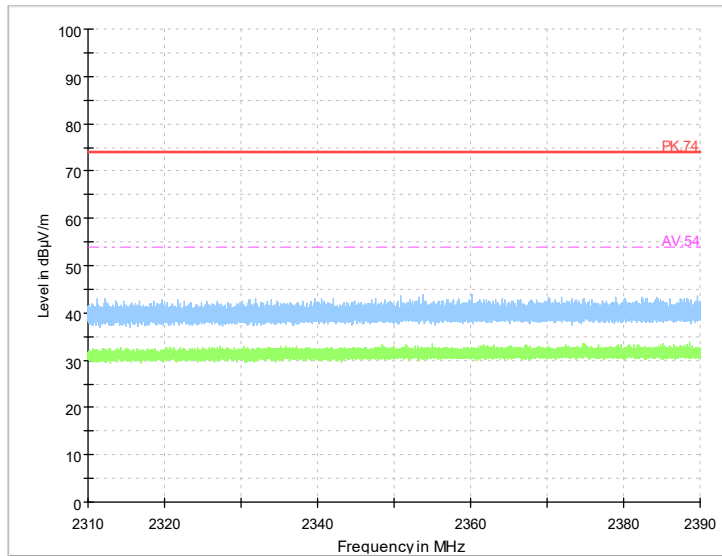
Radiated Emission Band Edge
 Channel No.:11
 Test Mode: 802.11b
 Polarization: V



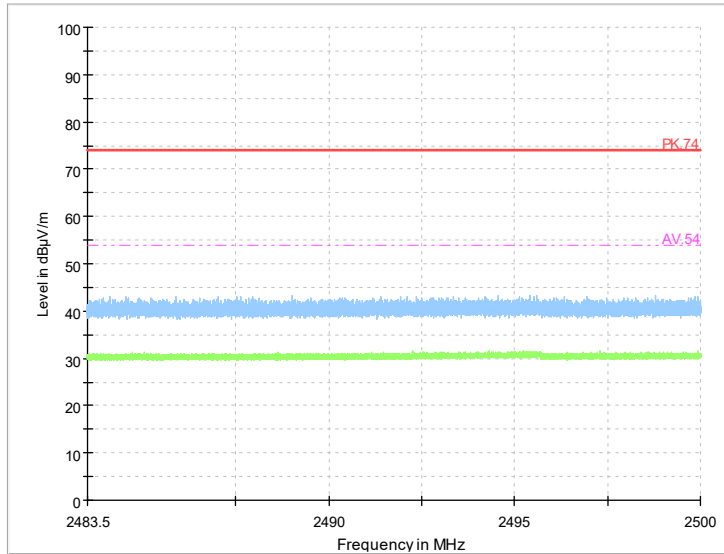
Radiated Emission Band Edge
 Channel No.:11
 Test Mode: 802.11b
 Polarization: H



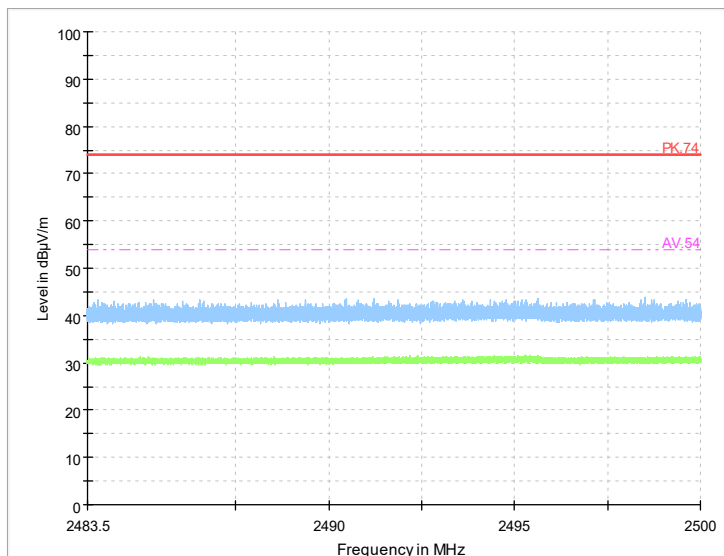
Radiated Emission Band Edge
 Channel No.:1
 Test Mode: 802.11g
 Polarization: V



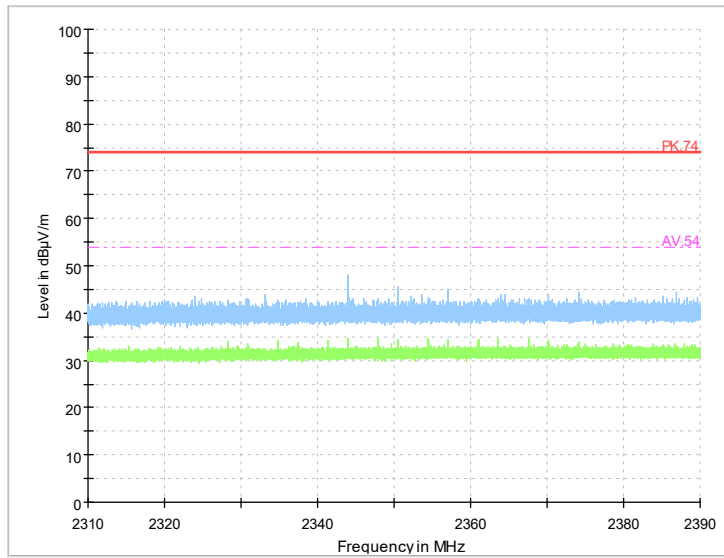
Radiated Emission Band Edge
 Channel No.:1
 Test Mode: 802.11g
 Polarization: H



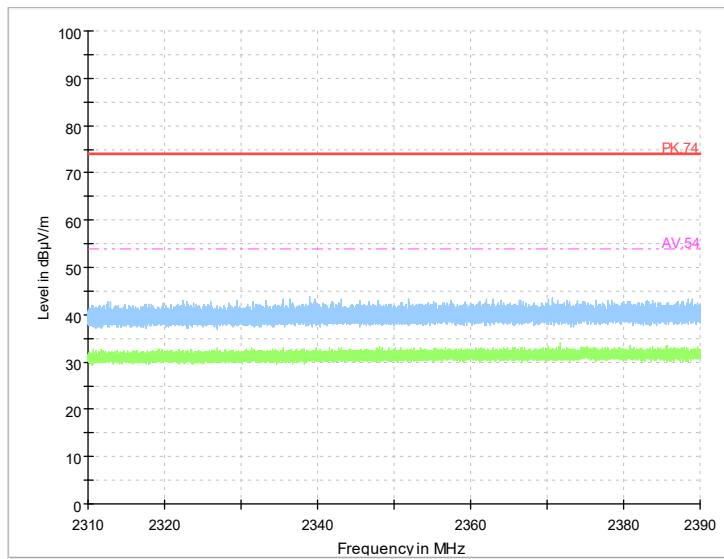
Radiated Emission Band Edge
 Channel No.:11
 Test Mode: 802.11g
 Polarization: V



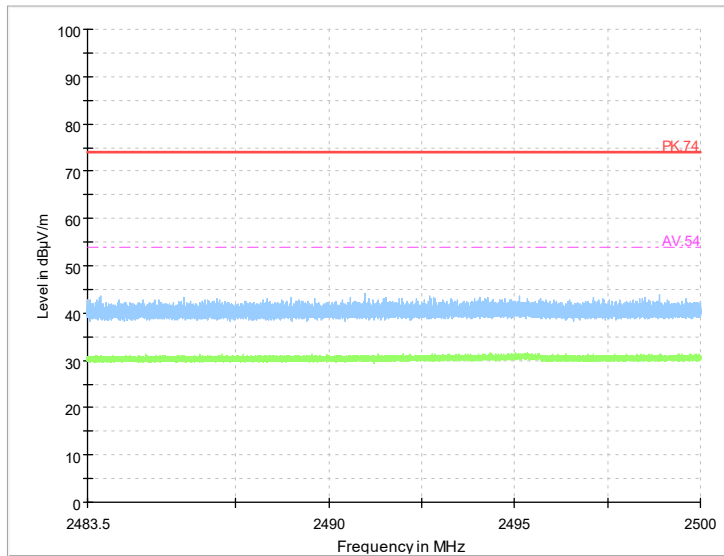
Radiated Emission Band Edge
 Channel No.:11
 Test Mode: 802.11g
 Polarization: H



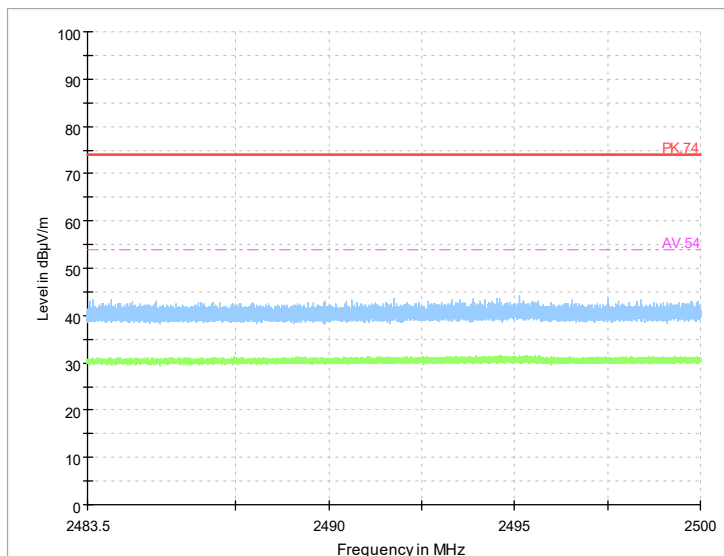
Radiated Emission Band Edge
 Channel No.:1
 Test Mode: 802.11n
 Polarization: V



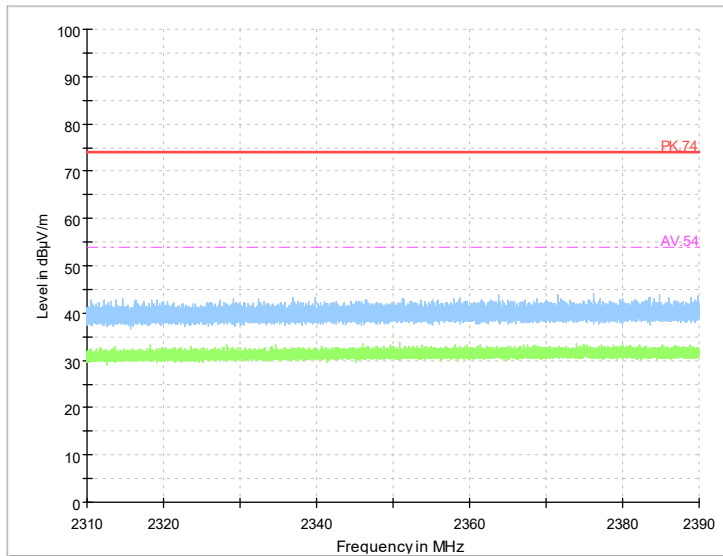
Radiated Emission Band Edge
 Channel No.:1
 Test Mode: 802.11n
 Polarization: H



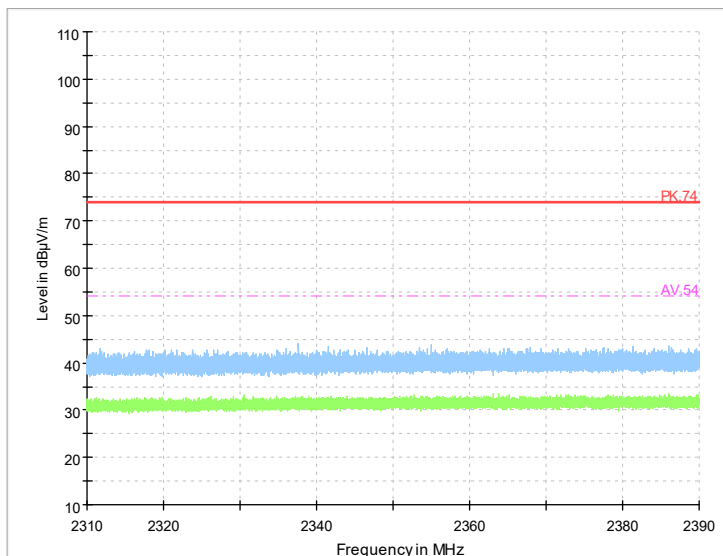
Radiated Emission Band Edge
 Channel No.:11
 Test Mode: 802.11n
 Polarization: V



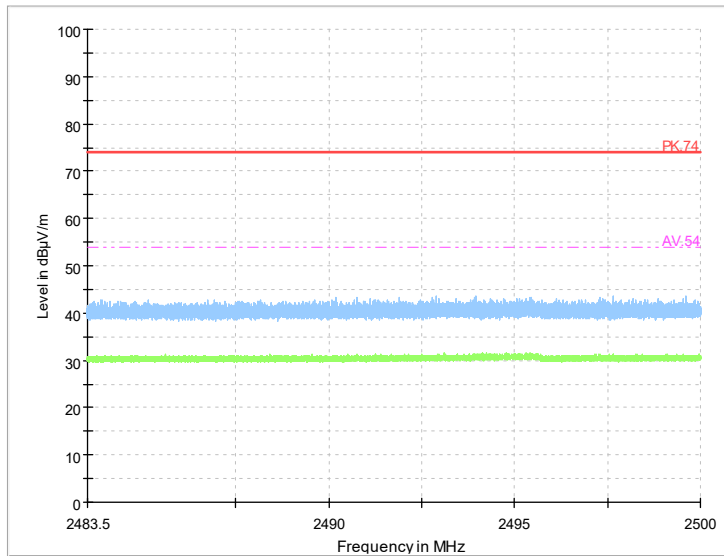
Radiated Emission Band Edge
 Channel No.:11
 Test Mode: 802.11n
 Polarization: H



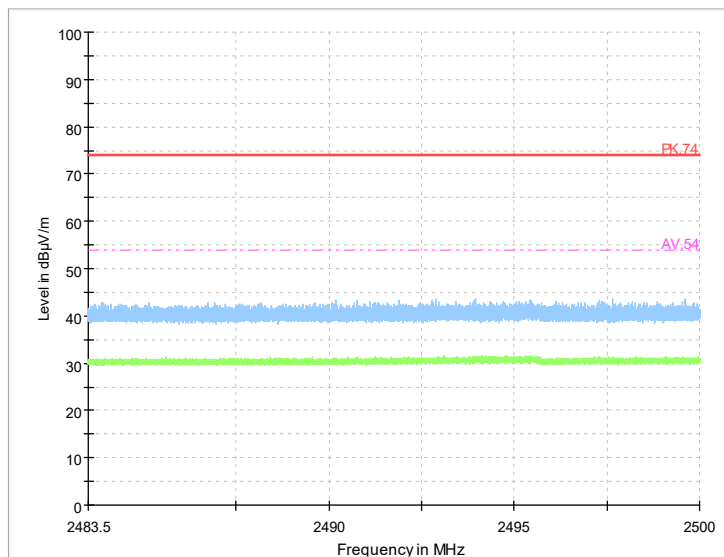
Radiated Emission Band Edge
 Channel No.:3
 Test Mode: 802.11n40
 Polarization: V



Radiated Emission Band Edge
 Channel No.:3
 Test Mode: 802.11n40
 Polarization: H



Radiated Emission Band Edge
 Channel No.:9
 Test Mode: 802.11n40
 Polarization: V



Radiated Emission Band Edge
 Channel No.:9
 Test Mode: 802.11n40
 Polarization: H

Sample Calculations

After comparison, the worst case attitude is EUT lay down.
Determining Spurious Emissions Levels

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.

The measurement results are obtained as described below:

$$\text{Result} = P_{\text{mea}} + A_{Rpl}$$

$$\text{Sample calculation: } (50.86 \text{ dB}\mu\text{V/m}) = (24.86 \text{ dB}\mu\text{V}) - (-26 \text{ dB}),$$

For 802.11b Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
118.773000	24.86	-26	50.86	Vertical	33.50	8.64
120.616000	26.13	-27	53.13	Vertical	33.50	7.37
120.677000	25.89	-27	52.89	Vertical	33.50	7.61
123.155000	24.74	-27	51.74	Vertical	33.50	8.76
374.996667	29.51	-18	47.51	Horizontal	36.00	6.49
499.997333	29.50	-15	44.50	Horizontal	36.00	6.50

For 802.11g Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
118.773000	24.95	-26	50.95	Vertical	33.50	8.55
120.813333	25.80	-27	52.80	Vertical	33.50	7.70
120.829333	25.90	-27	52.90	Vertical	33.50	7.60
123.334333	24.46	-27	51.46	Vertical	33.50	9.04
374.996667	29.28	-18	47.28	Horizontal	36.00	6.72
499.997333	29.88	-15	44.88	Horizontal	36.00	6.12

For 802.11n(HT20) Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
120.698333	24.22	-27	51.22	Vertical	33.50	9.28
120.714667	23.89	-27	50.89	Vertical	33.50	9.61
123.554000	23.16	-27	50.16	Vertical	33.50	10.34
124.995333	27.69	-27	54.69	Vertical	33.50	5.81
374.996667	30.87	-18	48.87	Vertical	36.00	5.13
499.997333	33.01	-15	48.01	Horizontal	36.00	2.99

For 802.11b Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
118.384000	24.84	-26	50.84	Vertical	33.50	8.66

120.034000	25.61	-27	52.61	Vertical	33.50	7.89
120.693333	25.85	-27	52.85	Vertical	33.50	7.65
123.190667	24.36	-27	51.36	Vertical	33.50	9.14
374.996667	30.10	-18	48.10	Vertical	36.00	5.90
499.997333	29.54	-15	44.54	Horizontal	36.00	6.46

For 802.11g Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
120.195667	25.63	-27	52.63	Vertical	33.50	7.87
120.556333	26.17	-27	53.17	Vertical	33.50	7.33
120.968000	25.72	-27	52.72	Vertical	33.50	7.78
249.996000	25.90	-22	47.90	Vertical	36.00	10.10
374.996667	30.01	-18	48.01	Vertical	36.00	5.99
499.997333	29.92	-15	44.92	Horizontal	36.00	6.08

For 802.11n(HT20) Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
120.666000	23.60	-27	50.60	Vertical	33.50	9.90
120.935667	23.60	-27	50.60	Vertical	33.50	9.90
123.098000	22.34	-27	49.34	Vertical	33.50	11.16
125.003000	27.45	-27	54.45	Vertical	33.50	6.05
374.996667	30.83	-18	48.83	Vertical	36.00	5.17
499.997333	32.96	-15	47.96	Horizontal	36.00	3.04

For 802.11b Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
120.687333	25.94	-27	52.94	Vertical	33.50	7.56
120.838667	25.29	-27	52.29	Vertical	33.50	8.21
123.366667	24.87	-27	51.87	Vertical	33.50	8.63
123.493667	25.07	-27	52.07	Vertical	33.50	8.43
374.996667	29.75	-18	47.75	Vertical	36.00	6.25
499.997333	29.01	-15	44.01	Horizontal	36.00	6.99

For 802.11g Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
118.424000	25.22	-26	51.22	Vertical	33.50	8.28
120.645667	26.12	-27	53.12	Vertical	33.50	7.38
123.518333	25.12	-27	52.12	Vertical	33.50	8.38
249.996000	26.01	-22	48.01	Vertical	36.00	9.99
374.996667	29.89	-18	47.89	Vertical	36.00	6.11
499.997333	30.18	-15	45.18	Horizontal	36.00	5.82

For 802.11n(HT20) Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
123.580333	23.75	-27	50.75	Vertical	33.50	9.75
124.995333	28.23	-27	55.23	Vertical	33.50	5.27
249.996000	26.45	-22	48.45	Vertical	36.00	9.55
374.996667	29.97	-18	47.97	Vertical	36.00	6.03
499.997333	32.64	-15	47.64	Horizontal	36.00	3.36
933.481000	21.61	-8	29.61	Horizontal	36.00	14.39

For 802.11n(HT40) Channel No.:3

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
120.788667	23.61	-27	50.61	Vertical	33.50	9.89
124.995333	26.26	-27	53.26	Vertical	33.50	7.24
249.996000	25.70	-22	47.70	Vertical	36.00	10.30
374.996667	30.78	-18	48.78	Vertical	36.00	5.22
499.997333	32.99	-15	47.99	Horizontal	36.00	3.01
957.207667	21.83	-7	28.83	Horizontal	36.00	14.17

For 802.11n(HT40) Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
120.702667	23.32	-27	50.32	Vertical	33.50	10.18
121.202000	23.03	-27	50.03	Vertical	33.50	10.47
123.461333	22.83	-27	49.83	Vertical	33.50	10.67
124.995333	27.55	-27	54.55	Vertical	33.50	5.95
374.996667	30.81	-18	48.81	Vertical	36.00	5.19
499.997333	33.14	-15	48.14	Horizontal	36.00	2.86

For 802.11n(HT40) Channel No.:9

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)