

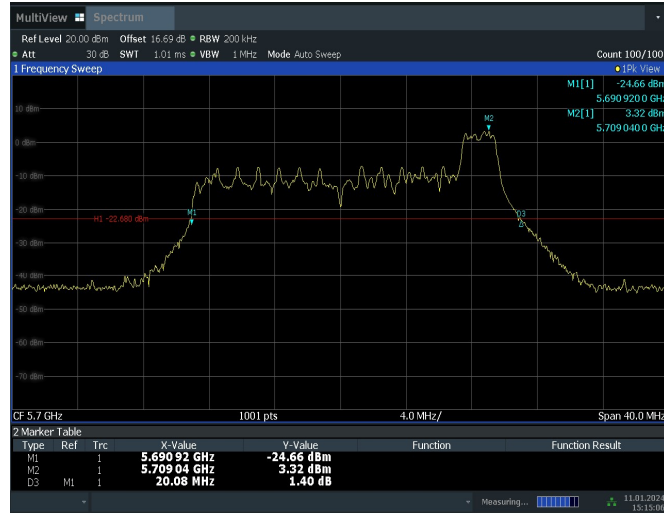
11AX20MIMO_Ant10_5580_52Tone_RU40



11AX20MIMO_Ant10_5580_106Tone_RU54

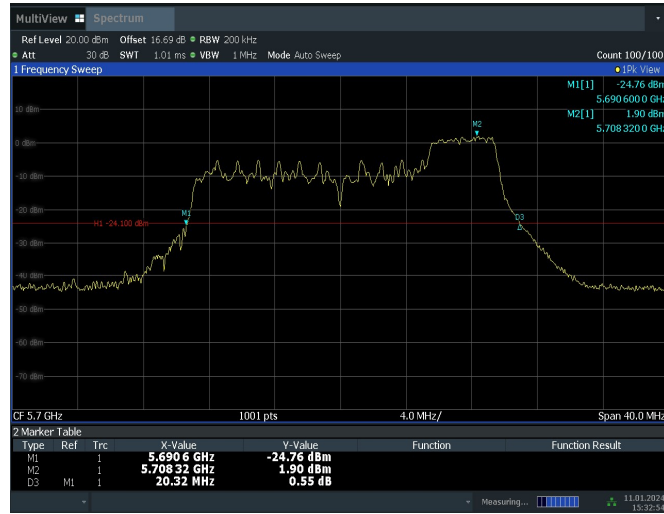


11AX20MIMO_Ant6_5700_26Tone_RU8



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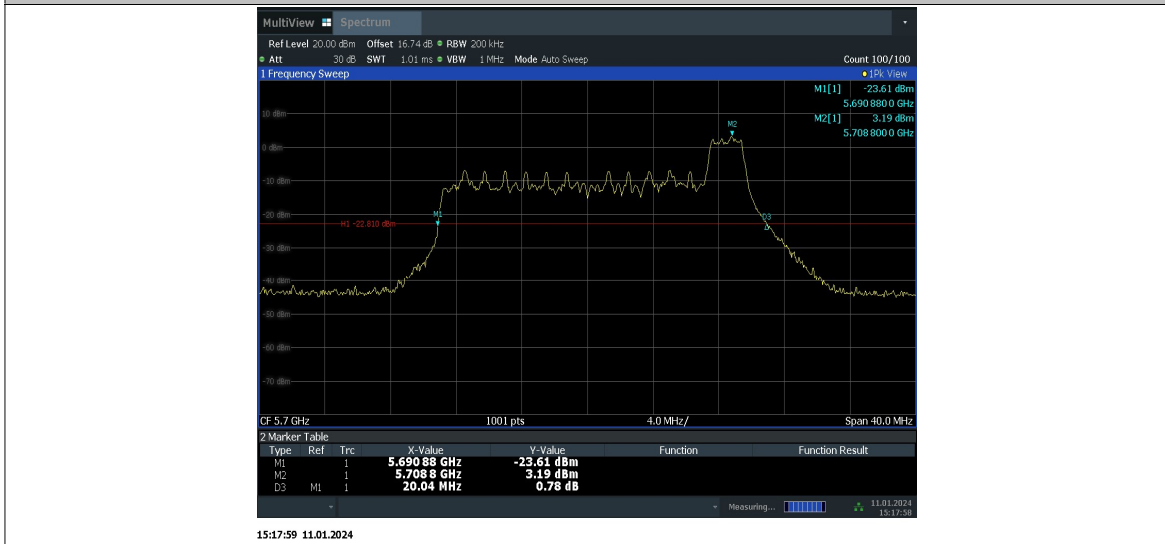


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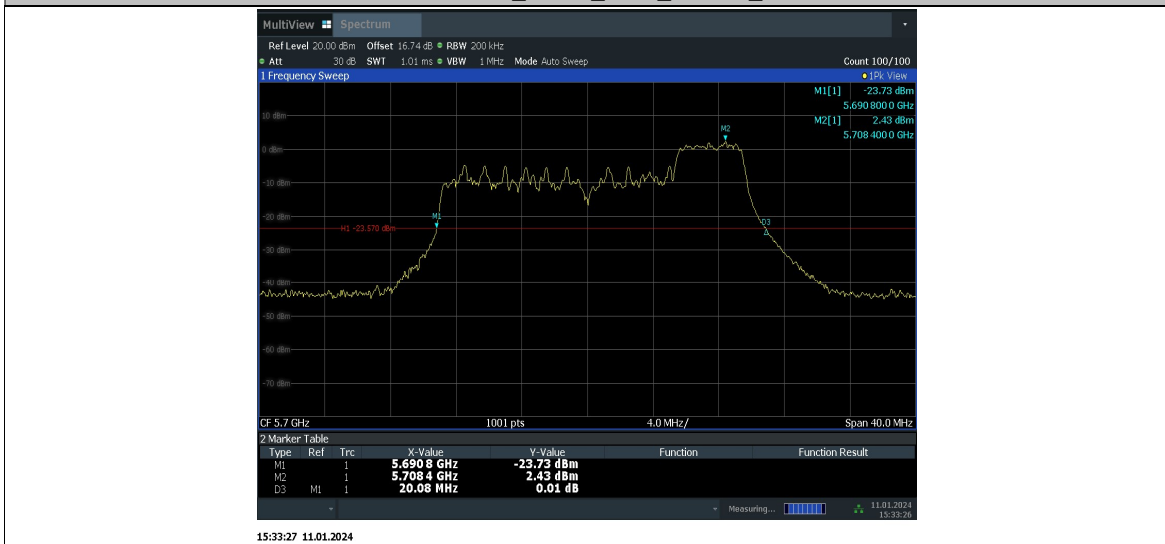
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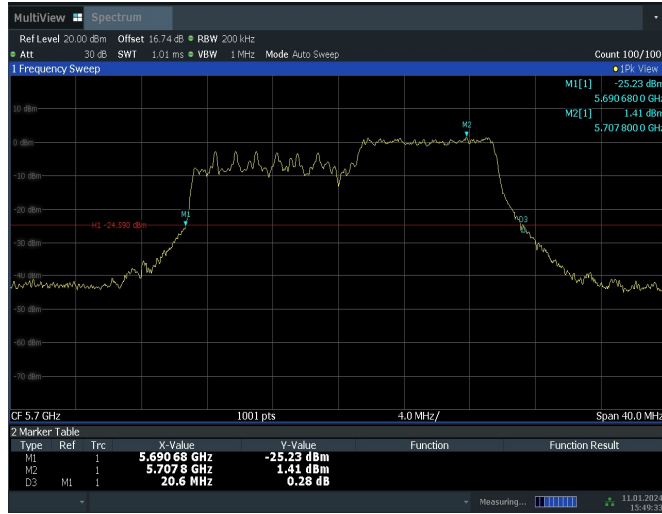
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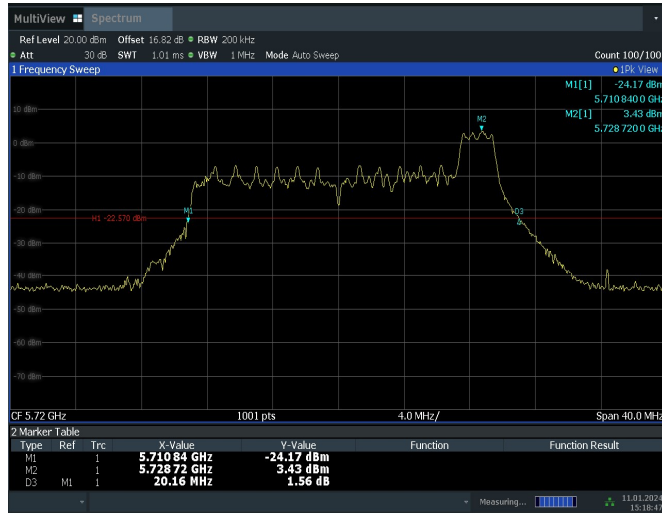


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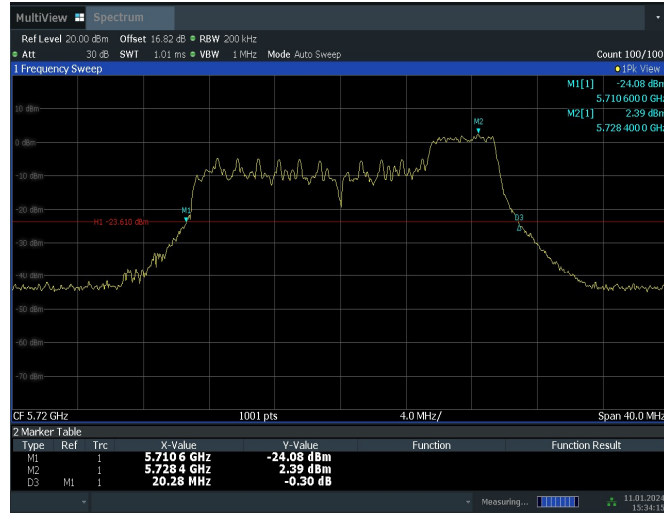
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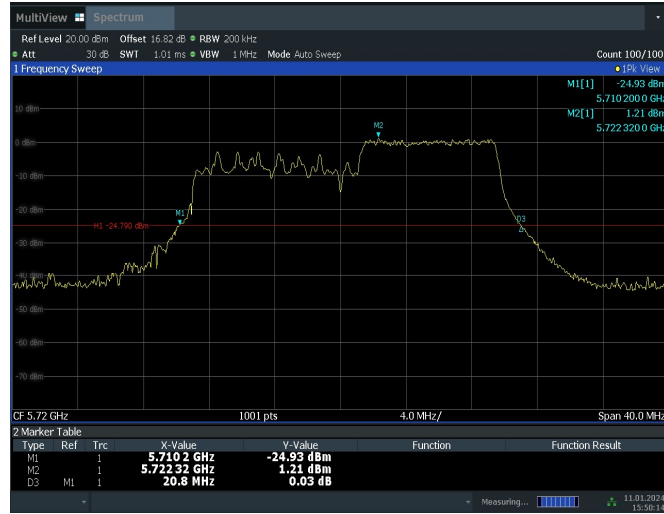
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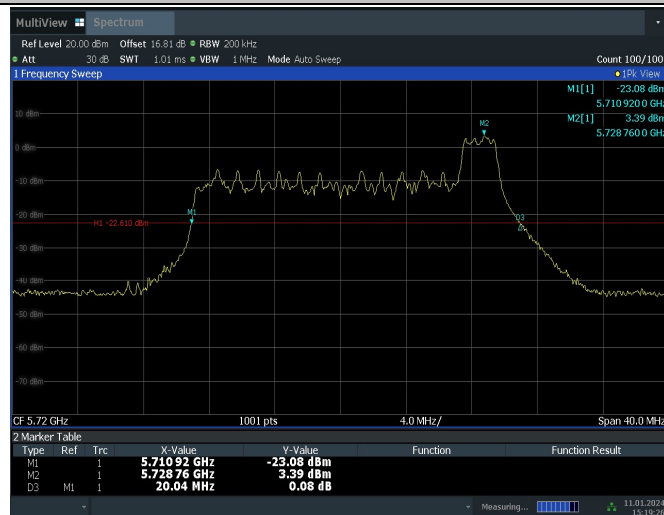
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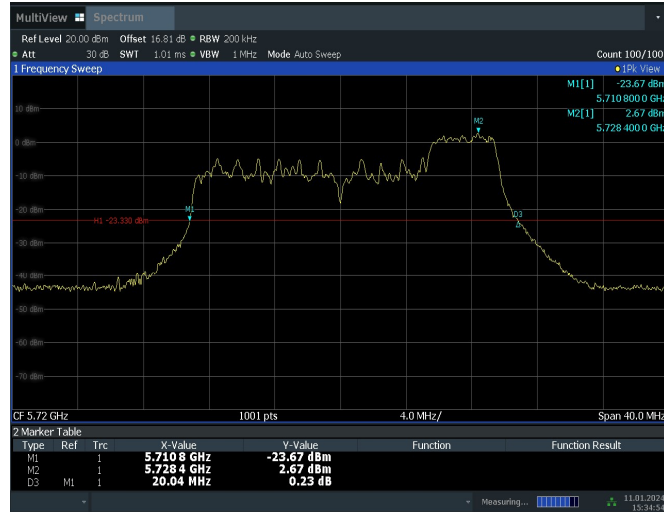
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11AX20MIMO_Ant10_5720_26Tone_RU8



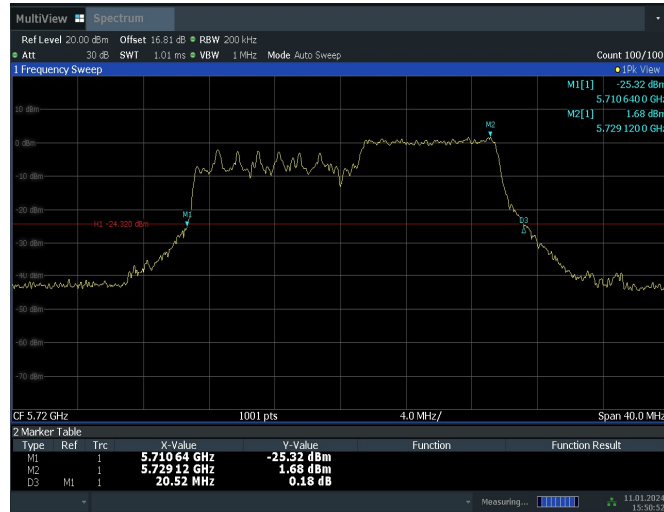
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11AX20MIMO_Ant10_5720_52Tone_RU40



15:34:55 11.01.2024

11AX20MIMO_Ant10_5720_106Tone_RU54



15:50:53 11.01.2024

Conclusion: PASS

A.5. Band Edges Compliance

A5.1 Band Edges - Radiated

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.407	-27 dBm/MHz

The measurement is made according to KDB 789033

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:

Standard	Limit (dB μ V/m)	
FCC 47 CFR Part 15.209	Peak	74
	Average	54

The measurement is made according to ANSI C63.10 and KDB 789033

Measurement Result:

EUT ID: UT19a

Mode	Channel	Test Results	Conclusion
802.11a	5180 MHz	Fig.1	P
	5320 MHz	Fig.2	P
	5500 MHz	Fig.3	P
	5700 MHz	Fig.4	P
802.11n HT20	5180 MHz	Fig.5	P
	5320 MHz	Fig.6	P
	5500 MHz	Fig.7	P
	5700 MHz	Fig.8	P
802.11n HT40	5190 MHz	Fig.9	P
	5310 MHz	Fig.10	P
	5510 MHz	Fig.11	P
	5670 MHz	Fig.12	P
802.11ac VHT20	5180 MHz	Fig.13	P
	5320 MHz	Fig.14	P
	5500 MHz	Fig.15	P
	5700 MHz	Fig.16	P
802.11ac VHT40	5190 MHz	Fig.17	P
	5310 MHz	Fig.18	P
	5510 MHz	Fig.19	P
	5670 MHz	Fig.20	P
802.11ac VHT80	5210MHz	Fig.21	P
	5290MHz	Fig.22	P
	5530MHz	Fig.23	P

	5610MHz	Fig.24	P
802.11ax HE20	5180 MHz	Fig.25	P
	5320 MHz	Fig.26	P
	5500 MHz	Fig.27	P
	5700 MHz	Fig.28	P
802.11ax HE40	5190 MHz	Fig.29	P
	5310 MHz	Fig.30	P
	5510 MHz	Fig.31	P
	5670 MHz	Fig.32	P
802.11ax HE80	5210 MHz	Fig.33	P
	5290 MHz	Fig.34	P
	5530 MHz	Fig.35	P
	5610 MHz	Fig.36	P
802.11ax HE160	5250MHz	Fig.37 Fig.38	P
	5570MHz	Fig.39 Fig.40	P
802.11ax HE20 RU26	5190 MHz	Fig.41	P
	5310 MHz	Fig.42	P
802.11ax HE20 RU52	5190 MHz	Fig.43	P
	5310 MHz	Fig.44	P
802.11ax HE20 RU106	5180 MHz	Fig.45	P
	5320 MHz	Fig.46	P
	5500 MHz	Fig.47	P
	5700 MHz	Fig.48	P
802.11ax HE40 RU106	5190 MHz	Fig.49	P
	5310 MHz	Fig.50	P
	5510 MHz	Fig.51	P
	5670 MHz	Fig.52	P
802.11ax HE80 RU106	5210 MHz	Fig.53	P
	5290 MHz	Fig.54	P
	5530 MHz	Fig.55	P
	5610 MHz	Fig.56	P
802.11ax HE160 RU106	5250 MHz	Fig.57 Fig.58	P
	5570 MHz	Fig.59 Fig.60	P
802.11ax HE160 RU26	5250 MHz	Fig.61 Fig.62	P
	5570 MHz	Fig.63 Fig.64	P

Note:

The measurements were performed separately in chain1, chain2, and MIMO (chain1+chain2), and only the worst cases are shown in this section.

802.11ax support full RU and partial RU, both full RU and partial RU are tested and worst cases are shown in this report.

Conclusion: PASS

Test graphs as below:

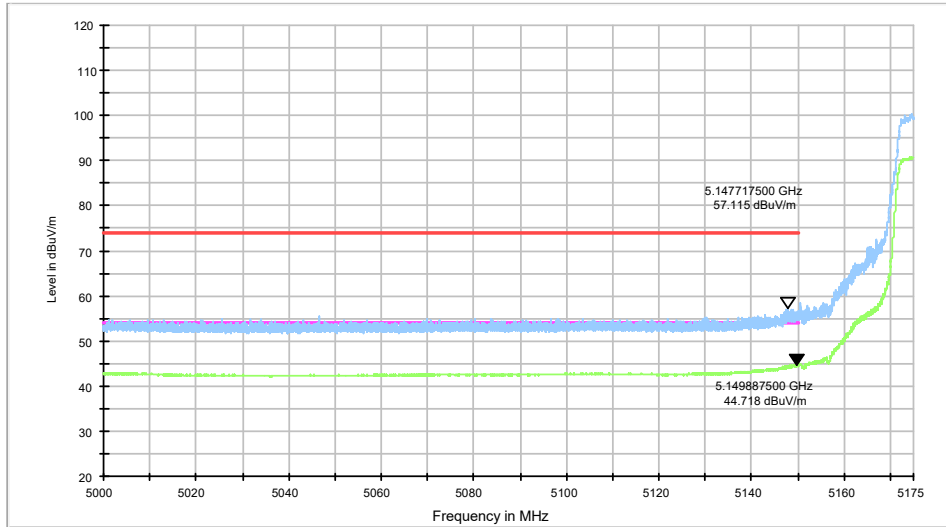


Fig. 1 Band Edges (802.11a Ch36, 5180MHz)

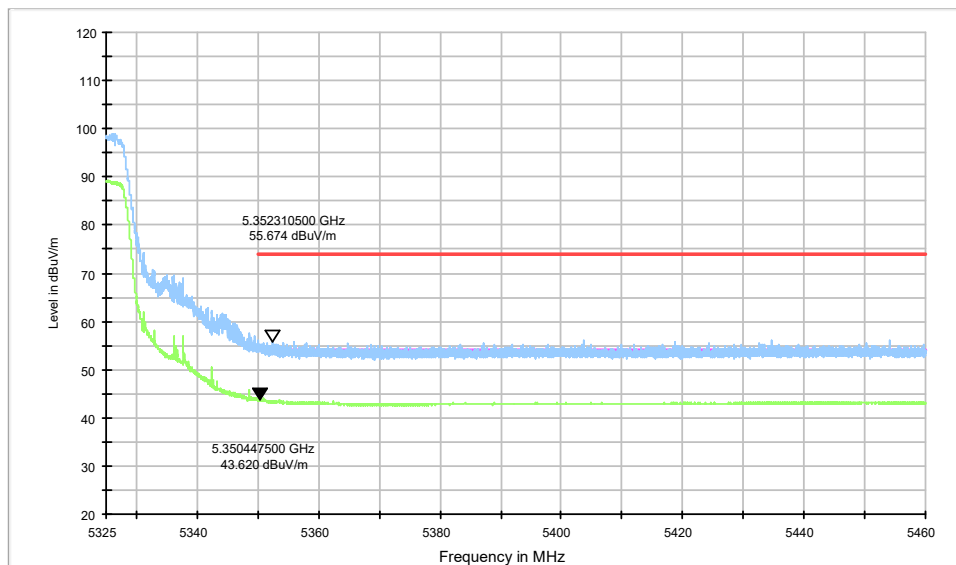


Fig. 2 Band Edges (802.11a Ch64, 5320MHz)

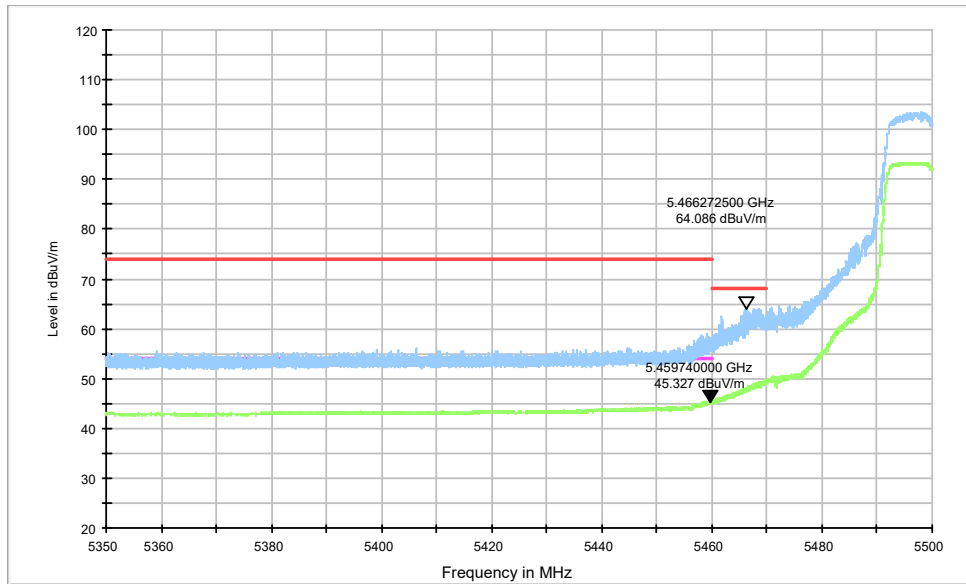


Fig. 3 Band Edges (802.11a Ch100, 5500MHz)

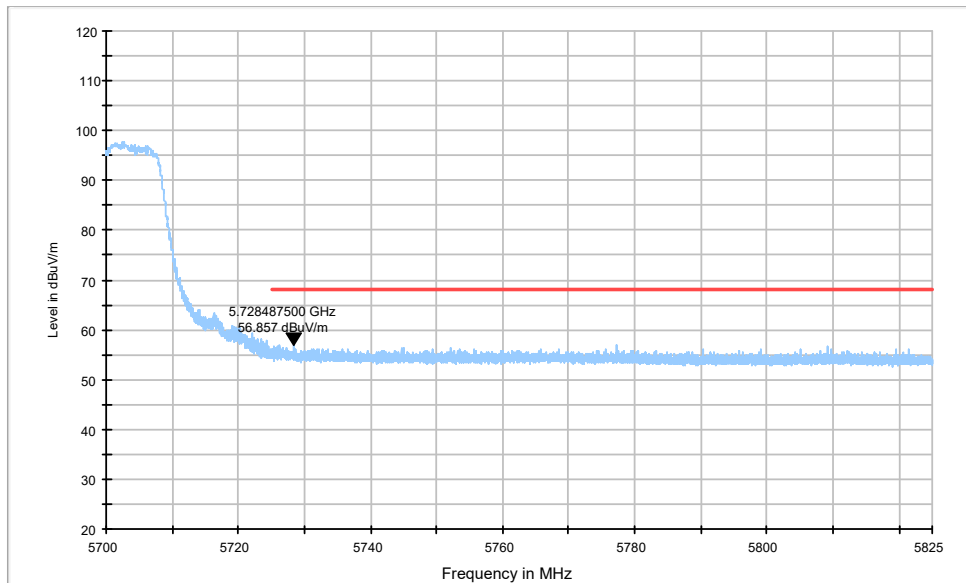


Fig. 4 Band Edges (802.11a Ch140, 5700MHz)

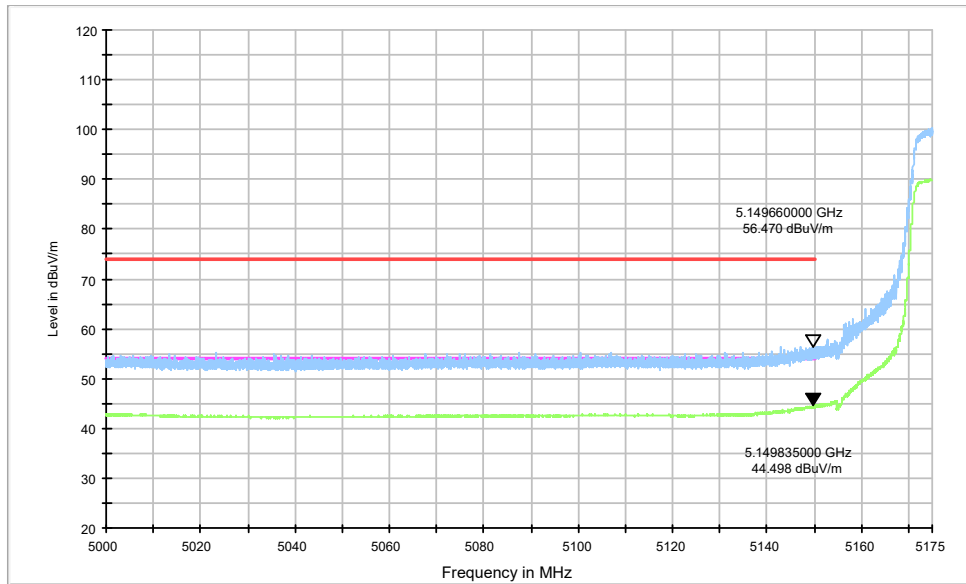


Fig. 5 Band Edges (802.11n-HT20 Ch36, 5180MHz)

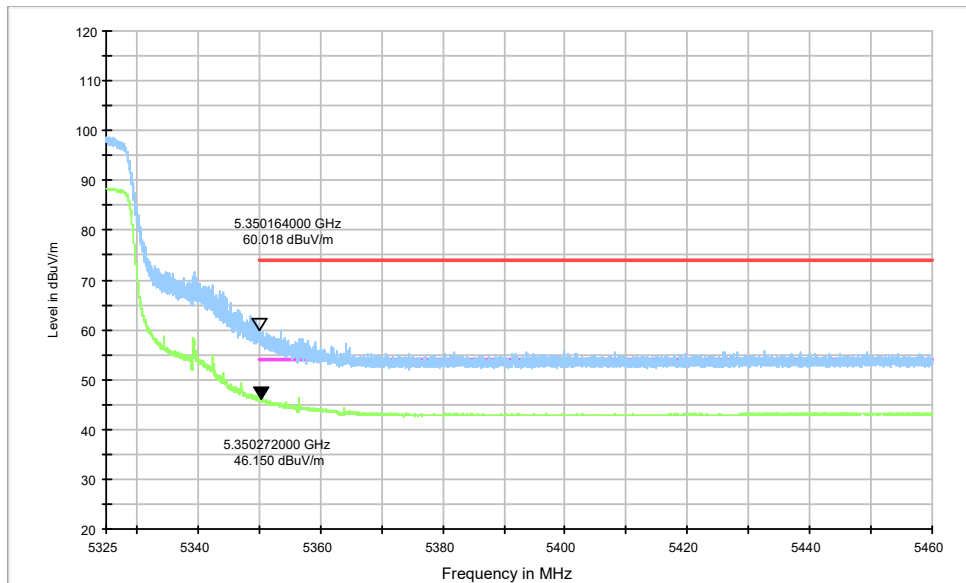


Fig. 6 Band Edges (802.11n-HT20 Ch64, 5320MHz)

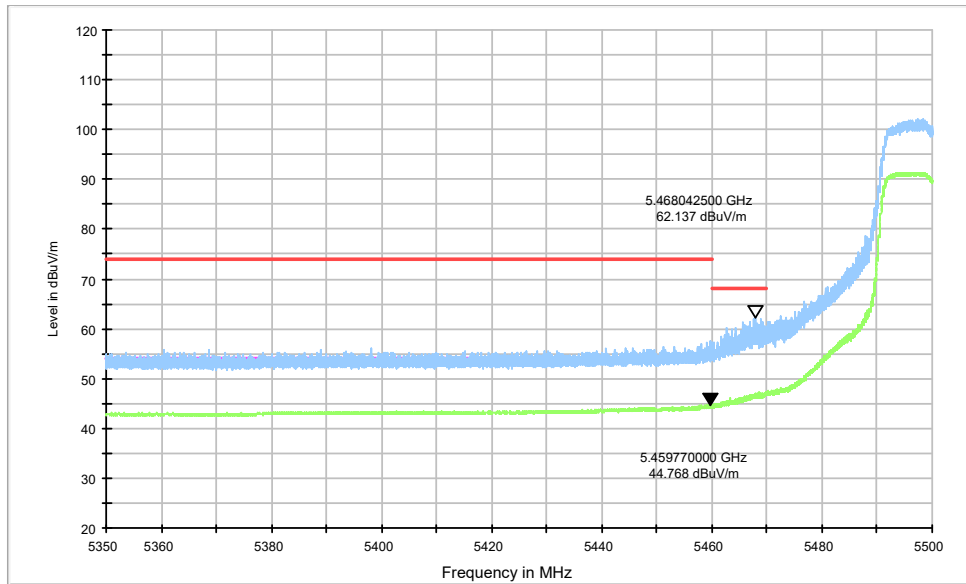


Fig. 7 Band Edges (802.11n-HT20 Ch100, 5500MHz)

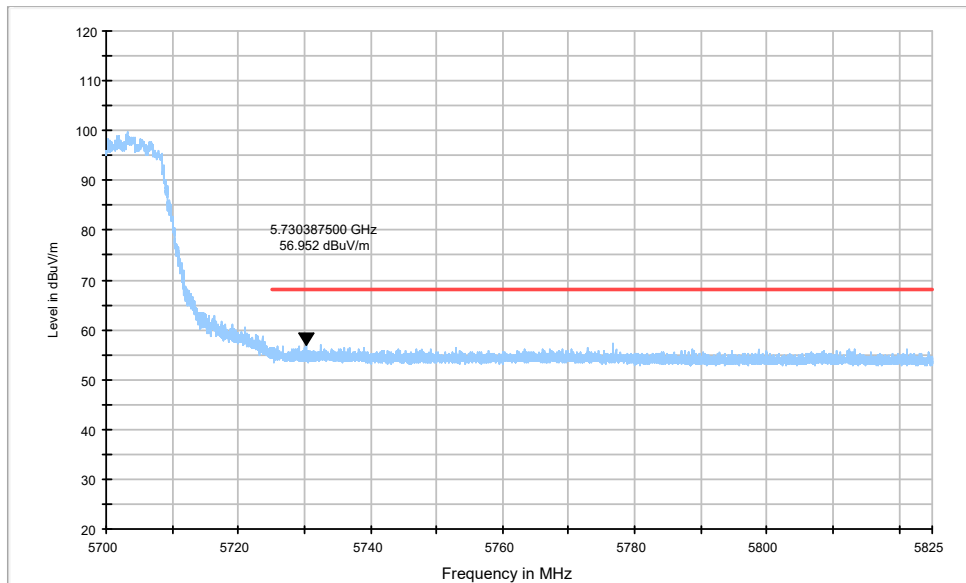


Fig. 8 Band Edges (802.11n-HT20 Ch140, 5700MHz)

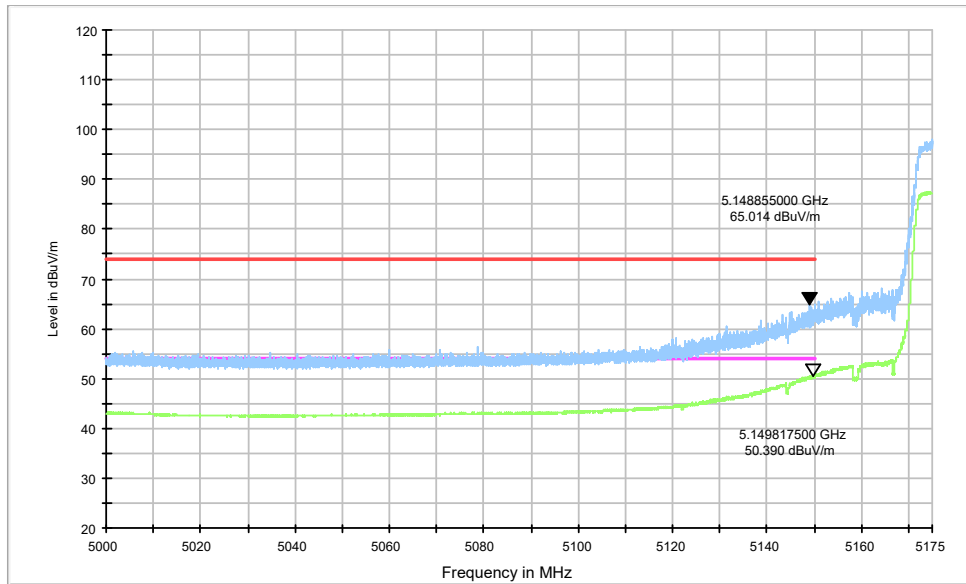


Fig. 9 Band Edges (802.11n-HT40 Ch38, 5190MHz)

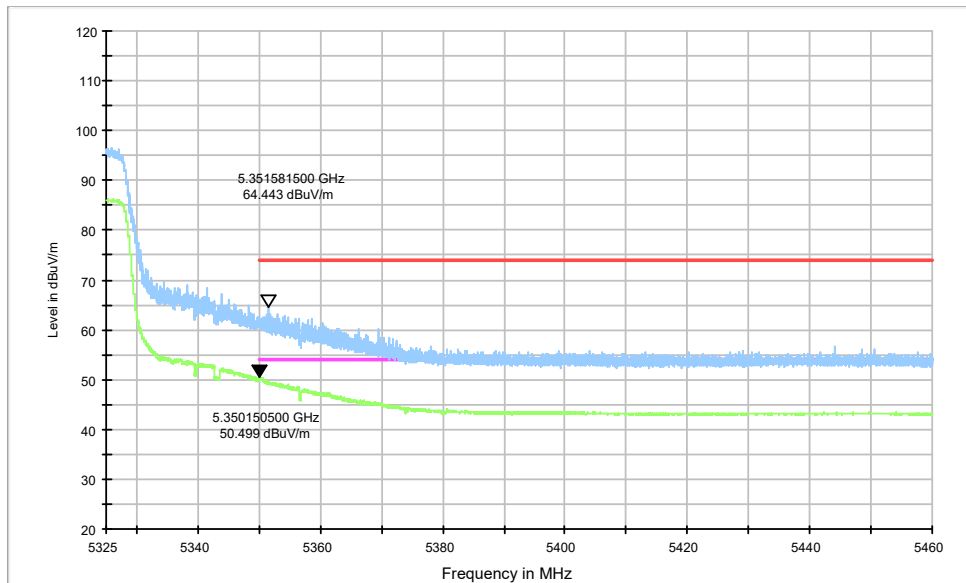


Fig. 10 Band Edges (802.11n-HT40 Ch62, 5310MHz)

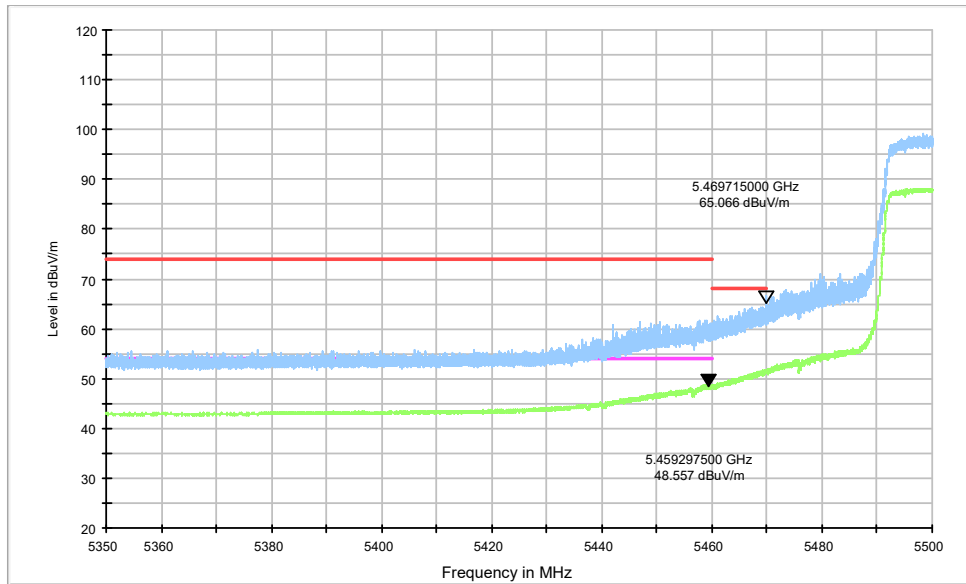


Fig. 11 Band Edges (802.11n-HT40 Ch102, 5510MHz)

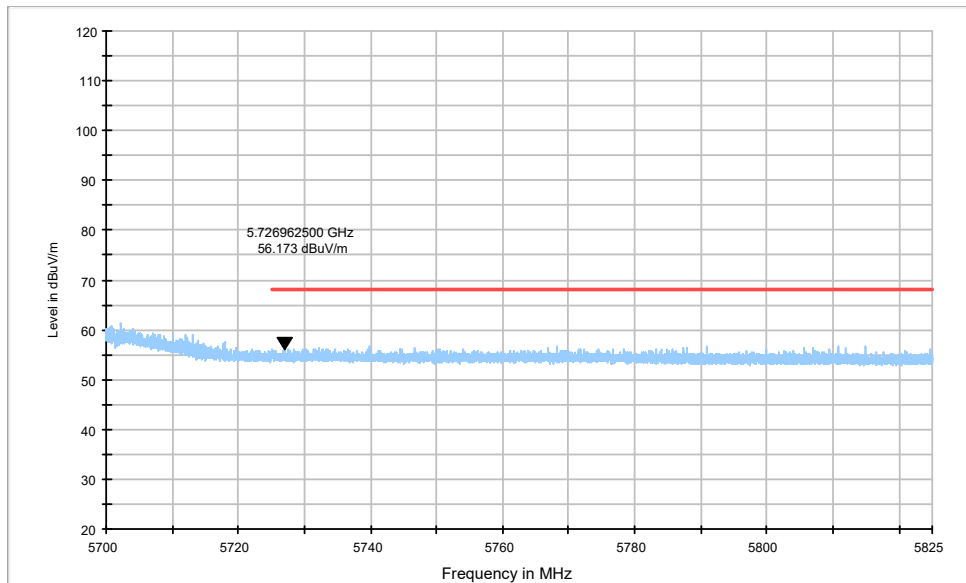


Fig. 12 Band Edges (802.11n-HT40 Ch134, 5670MHz)

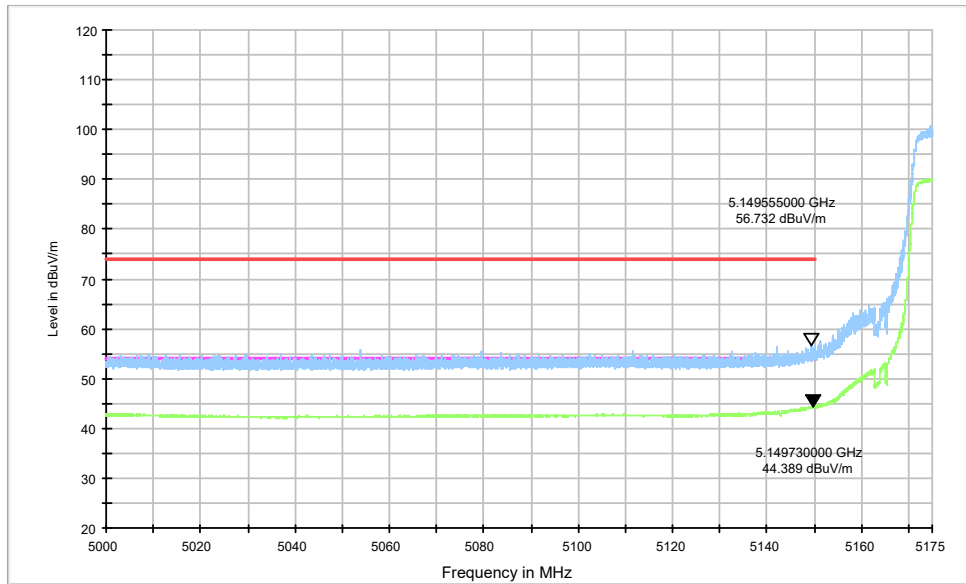


Fig. 13 Band Edges (802.11ac-VHT20 Ch36, 5180MHz)

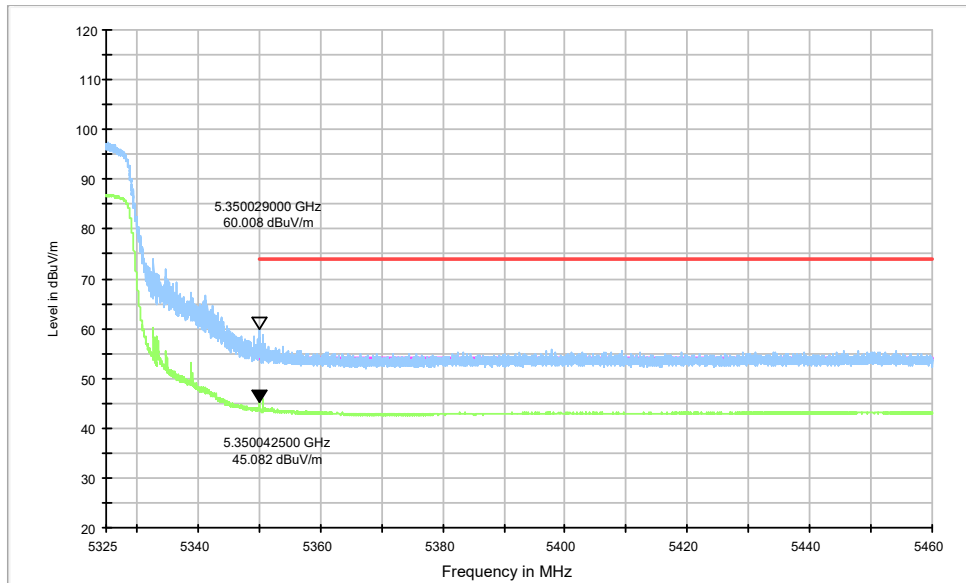


Fig. 14 Band Edges (802.11ac-VHT20 Ch64, 5320MHz)

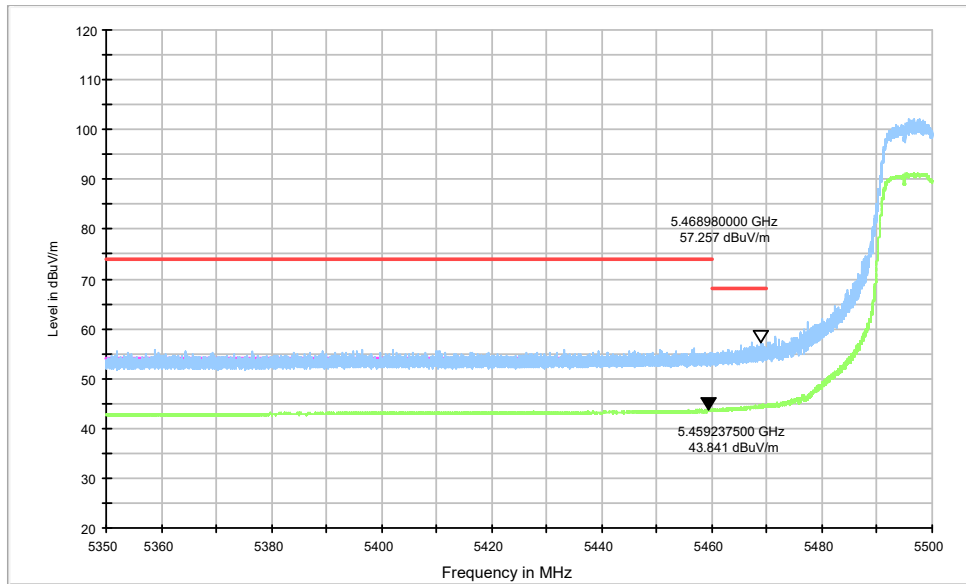


Fig. 15 Band Edges (802.11ac-VHT20 Ch100, 5500MHz)

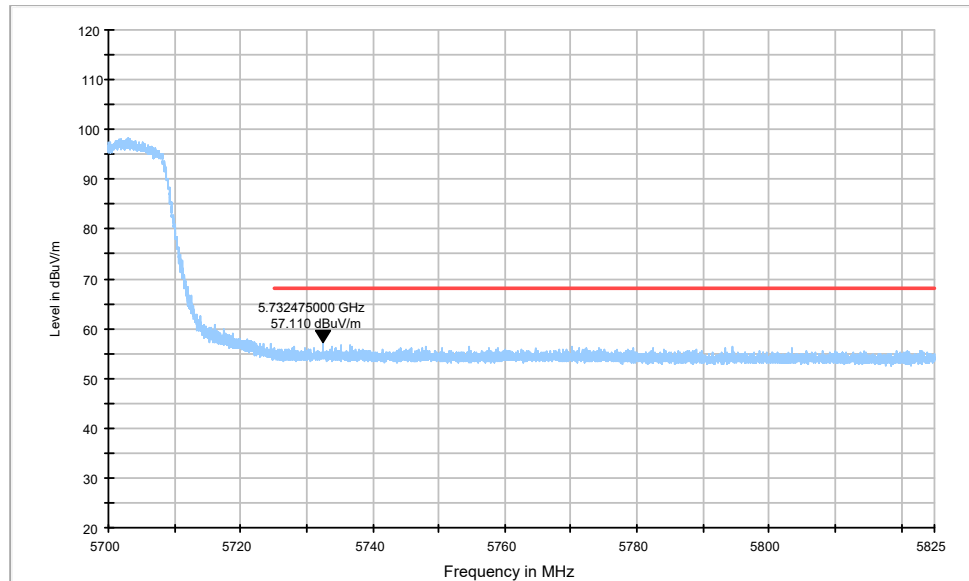


Fig. 16 Band Edges (802.11ac-VHT20 Ch140, 5700MHz)

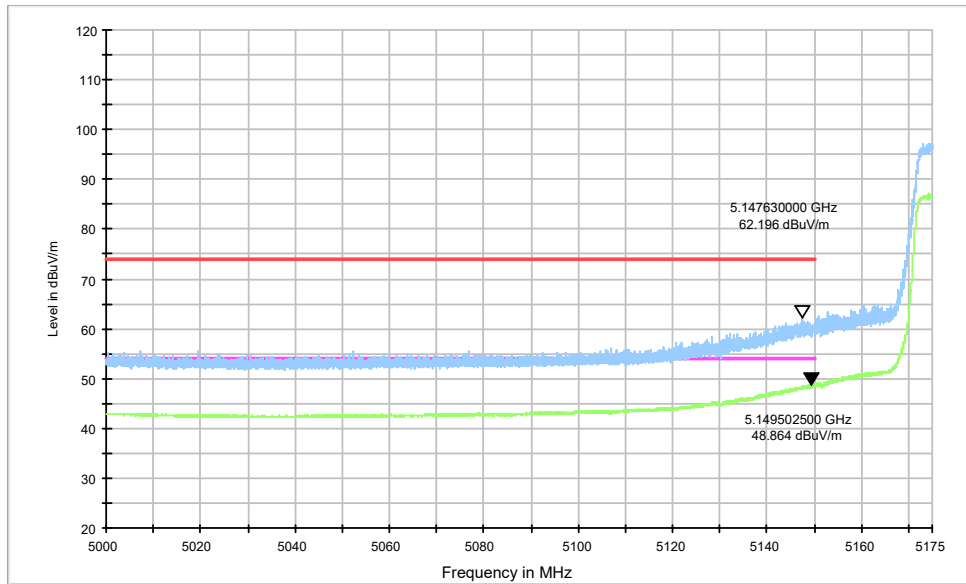


Fig. 17 Band Edges (802.11ac-VHT40 Ch38, 5190MHz)

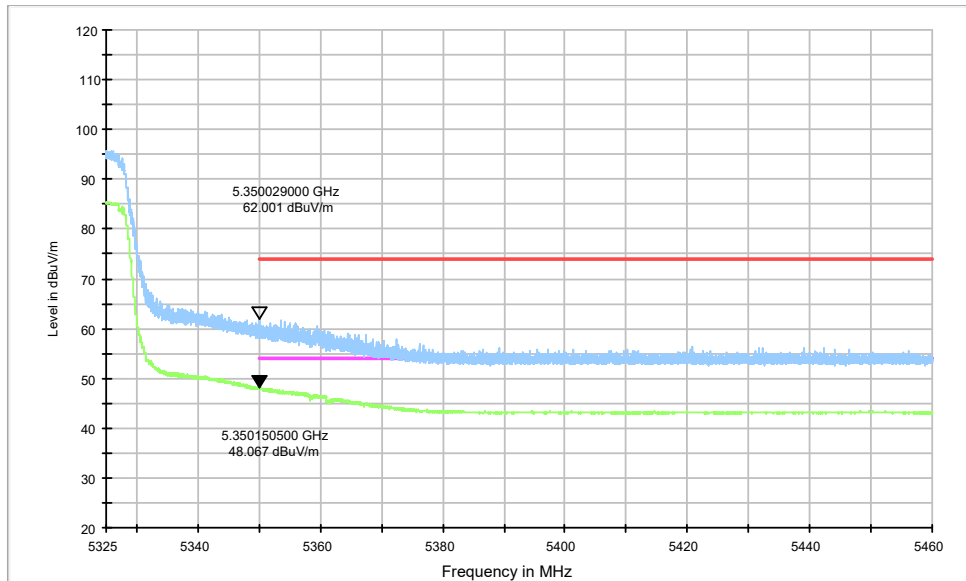


Fig. 18 Band Edges (802.11ac-VHT40 Ch62, 5310MHz)

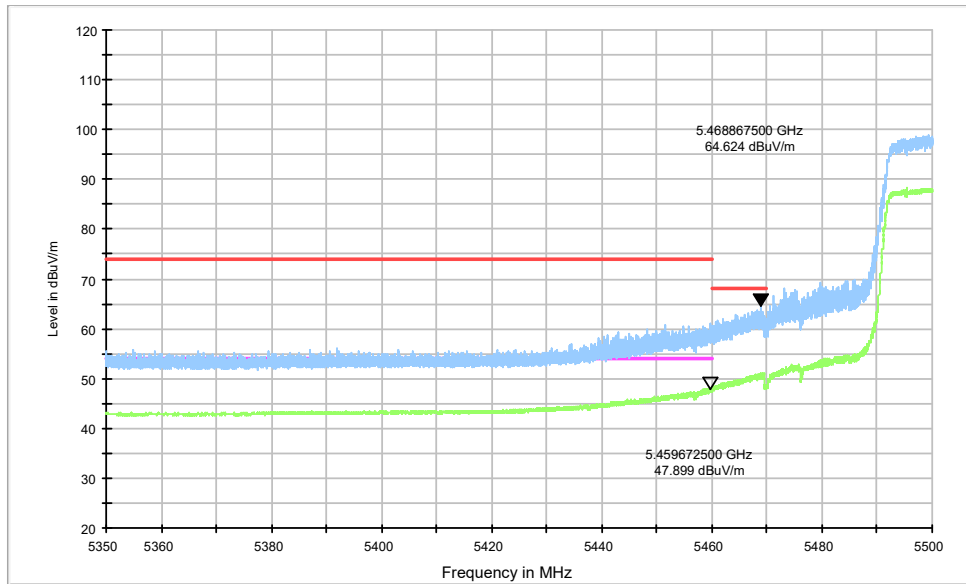


Fig. 19 Band Edges (802.11ac-VHT40 Ch102, 5510MHz)

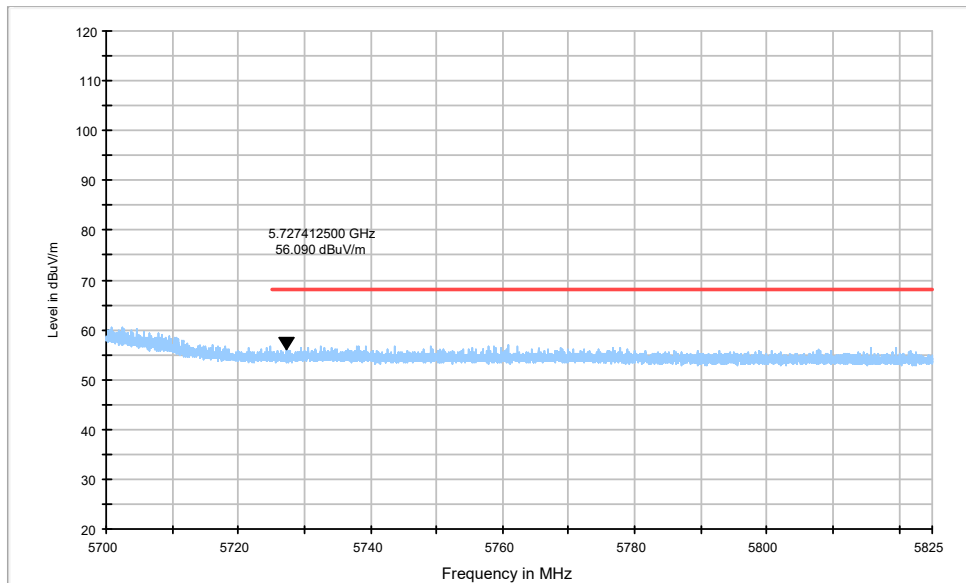


Fig. 20 Band Edges (802.11ac-VHT40 Ch134, 5670MHz)

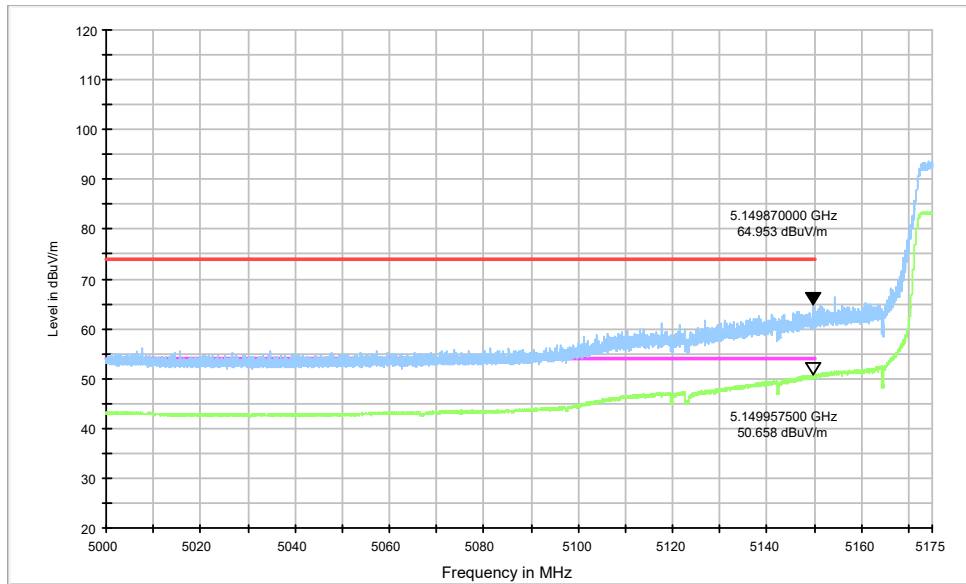


Fig. 21 Band Edges (802.11ac-VHT80 Ch42, 5210MHz)

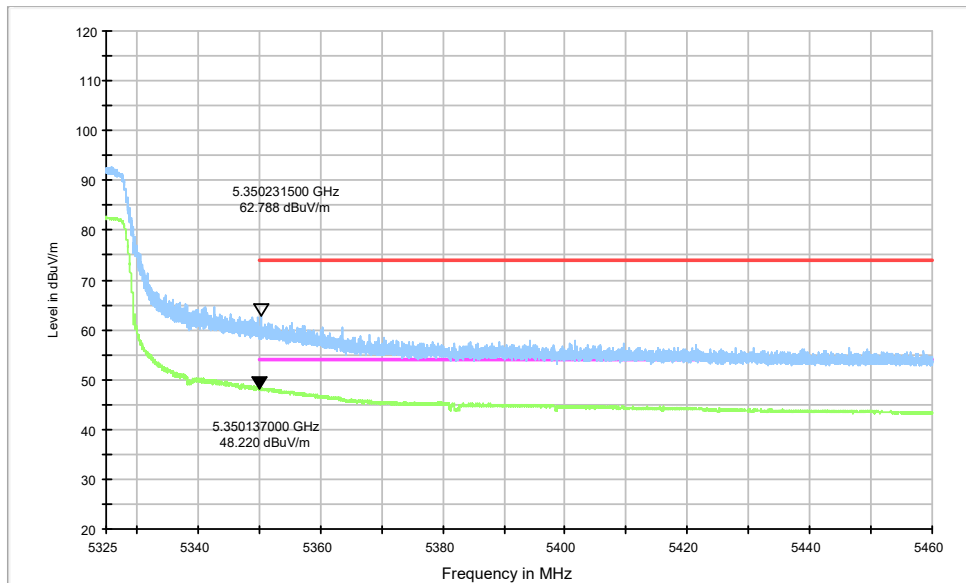


Fig. 22 Band Edges (802.11ac-VHT80 Ch58, 5290MHz)

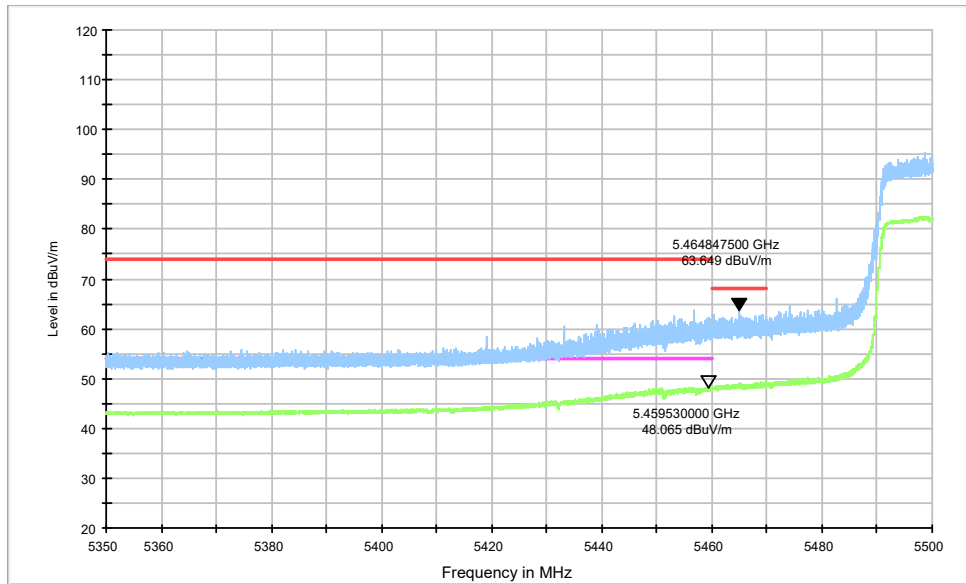


Fig. 23 Band Edges (802.11ac-VHT80 Ch106, 5530MHz)

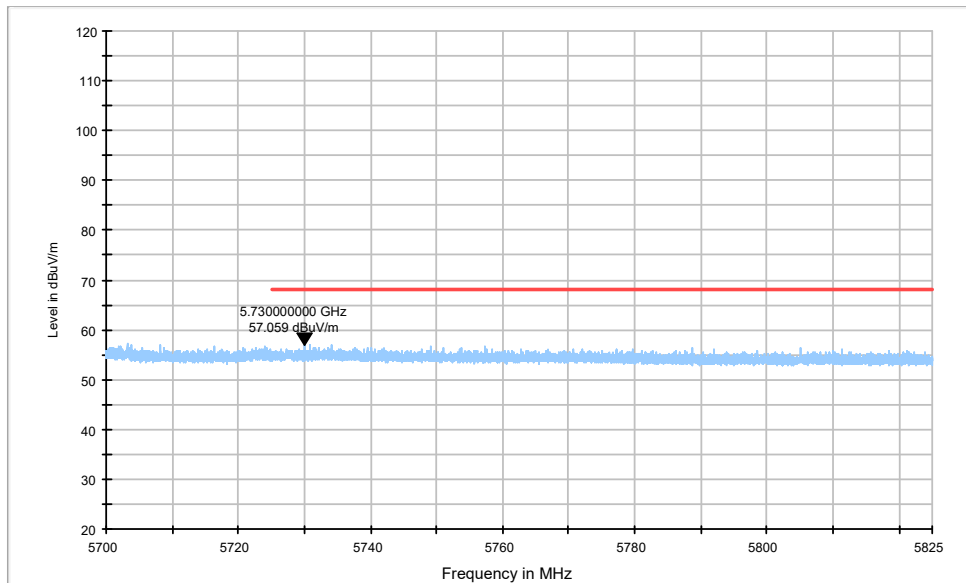


Fig. 24 Band Edges (802.11ac-VHT80 Ch122, 5610MHz)

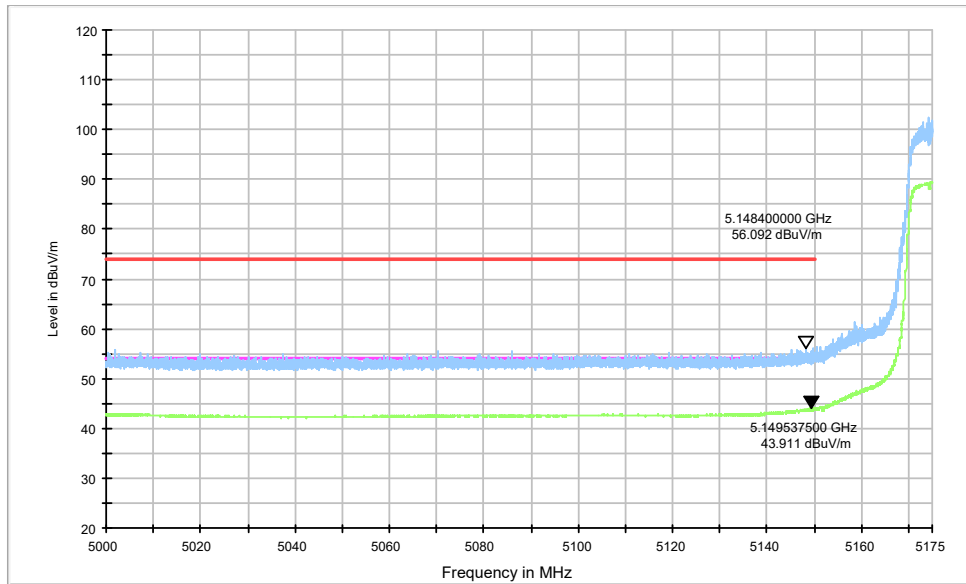


Fig. 25 Band Edges (802.11ax-HE20 Ch36, 5180MHz)

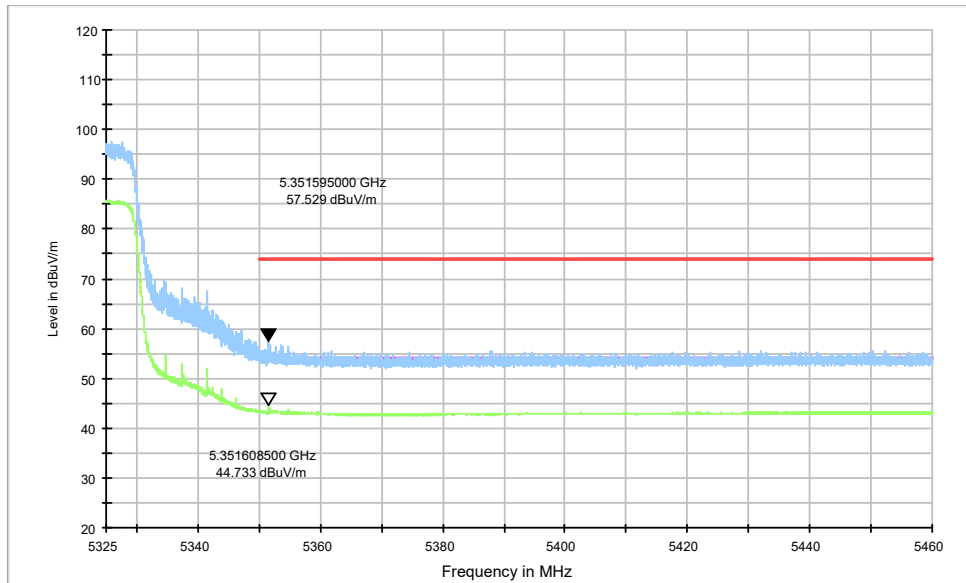


Fig. 26 Band Edges (802.11ax-HE20 Ch64, 5320MHz)

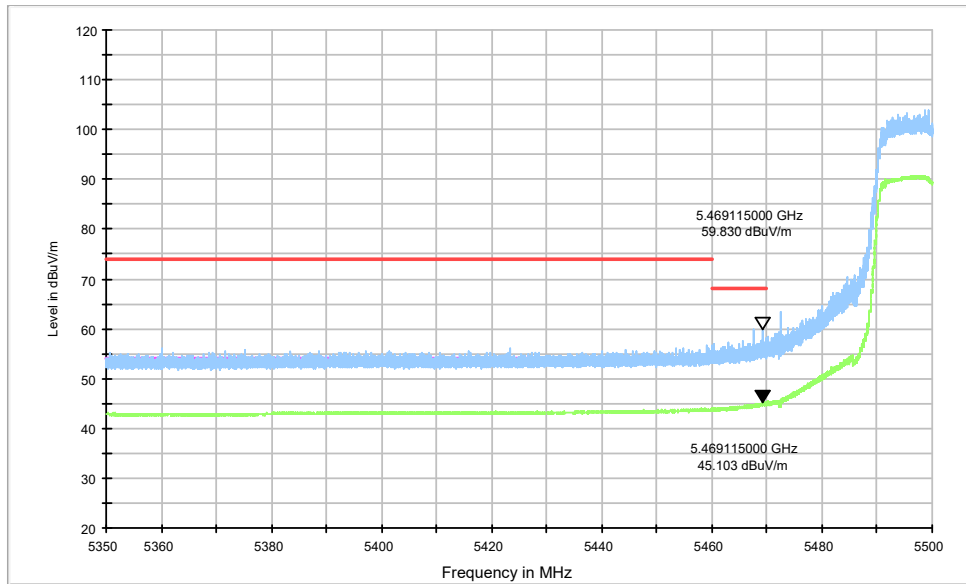


Fig. 27 Band Edges (802.11ax-HE20 Ch100, 5500MHz)

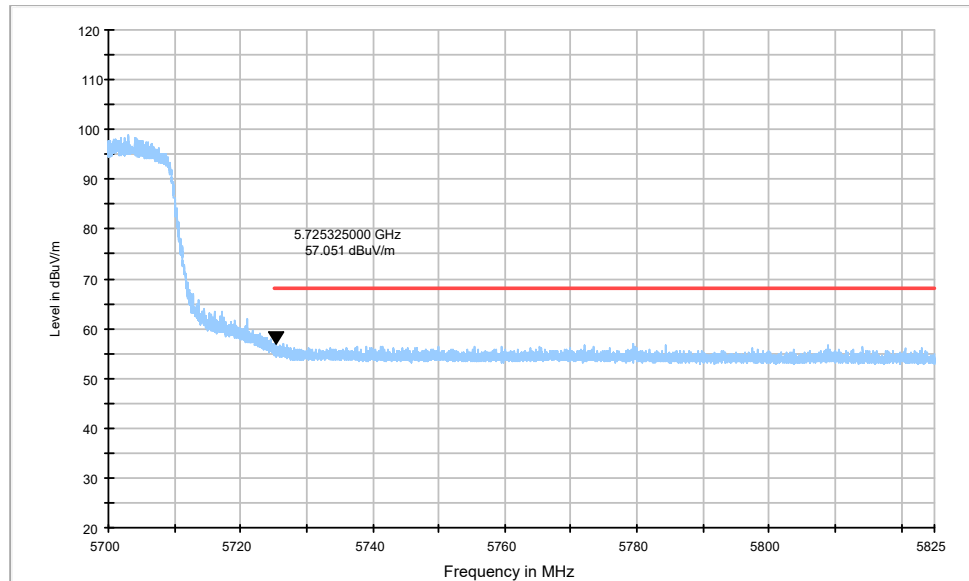


Fig. 28 Band Edges (802.11ax-HE20 Ch140, 5700MHz)

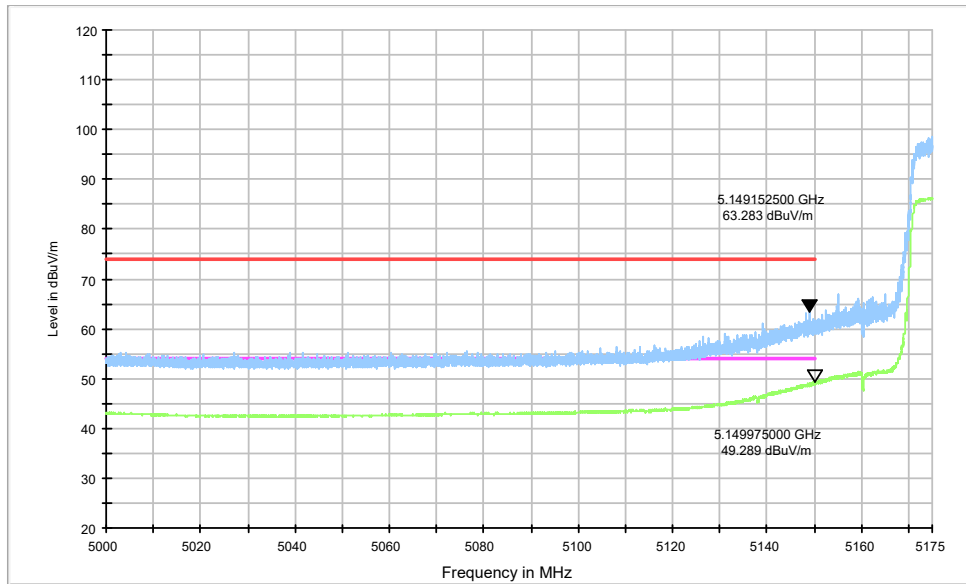


Fig. 29 Band Edges (802.11ax-HE40 Ch38, 5190MHz)

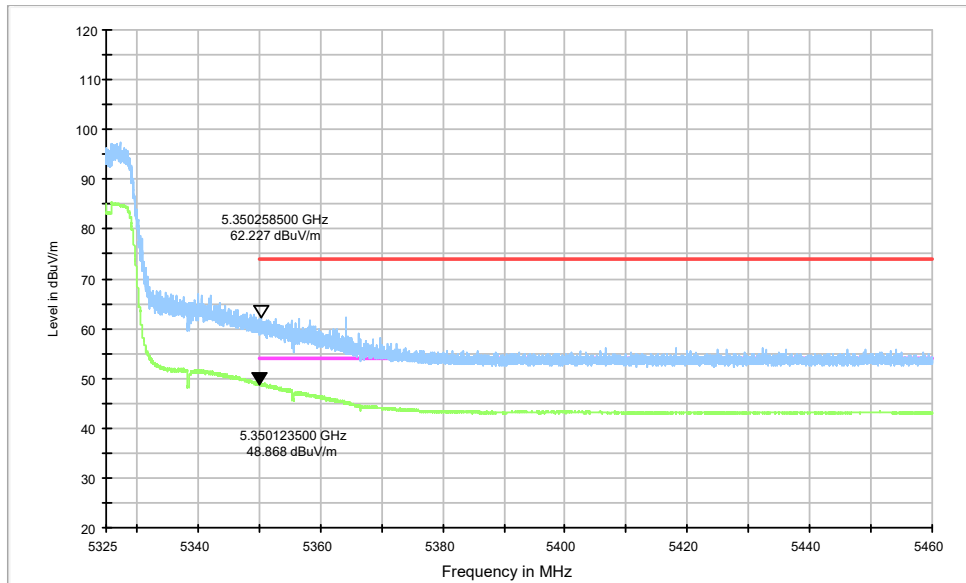


Fig. 30 Band Edges (802.11ax-HE40 Ch62, 5310MHz)

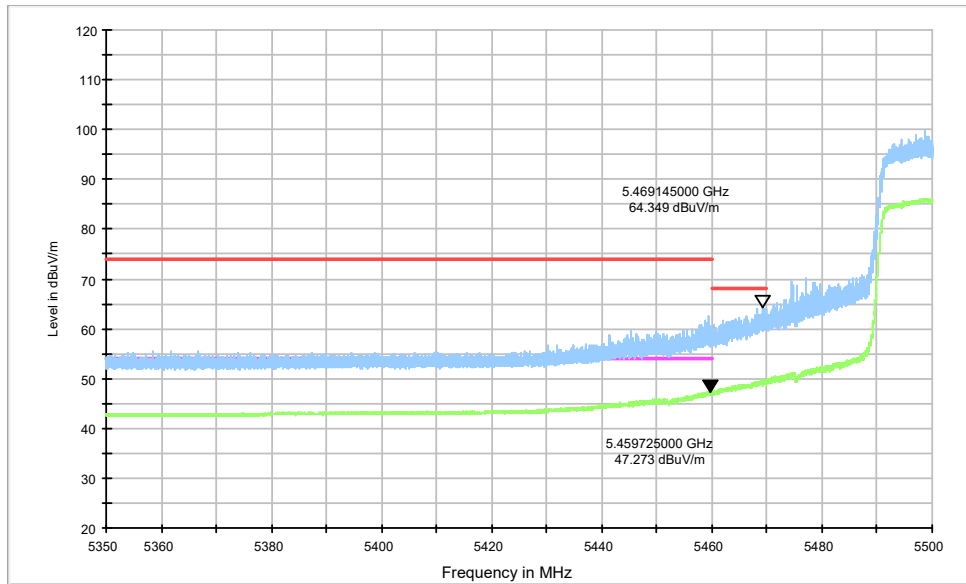


Fig. 31 Band Edges (802.11ax-HE40 Ch102, 5510MHz)

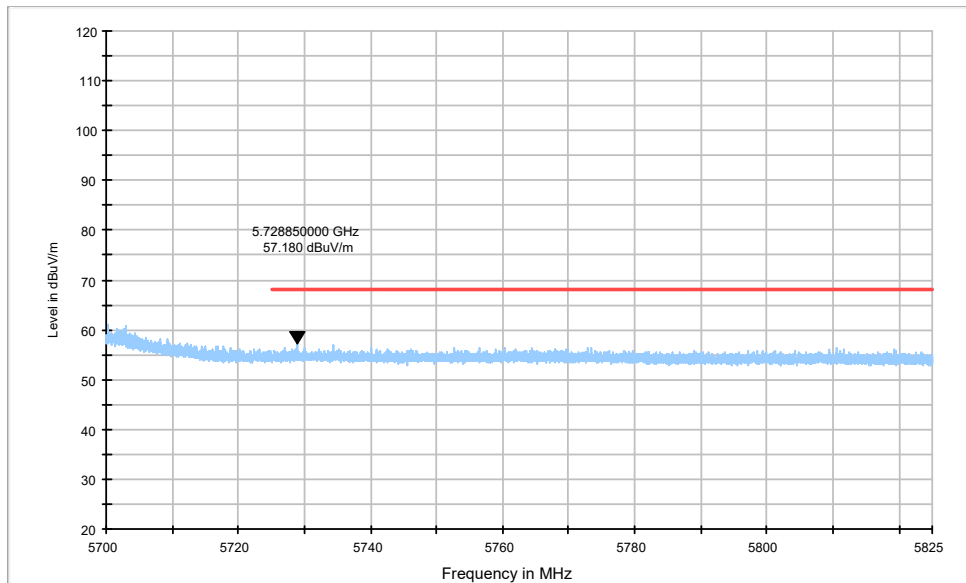


Fig. 32 Band Edges (802.11ax-HE40 Ch134, 5670MHz)

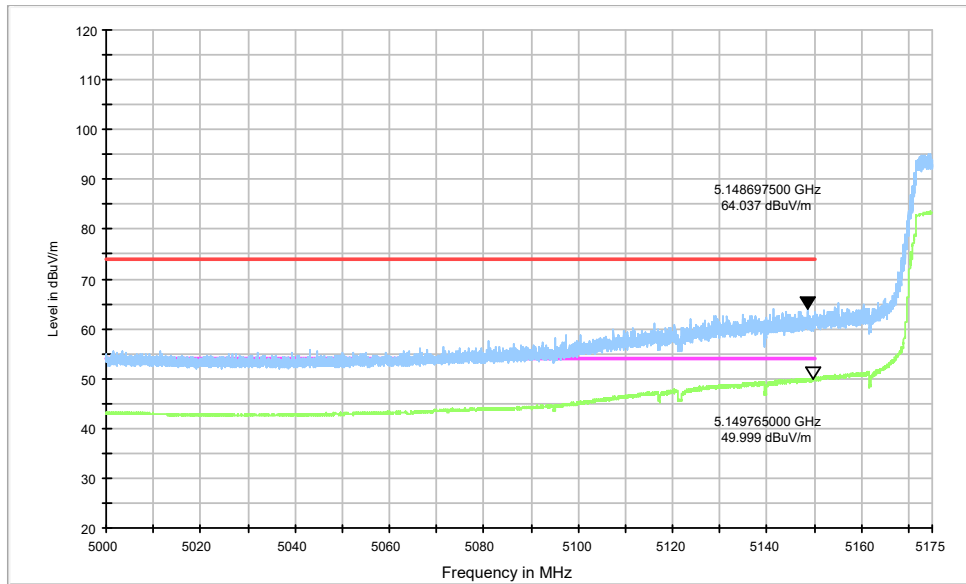


Fig. 33 Band Edges (802.11ax-HE80 Ch42, 5210MHz)

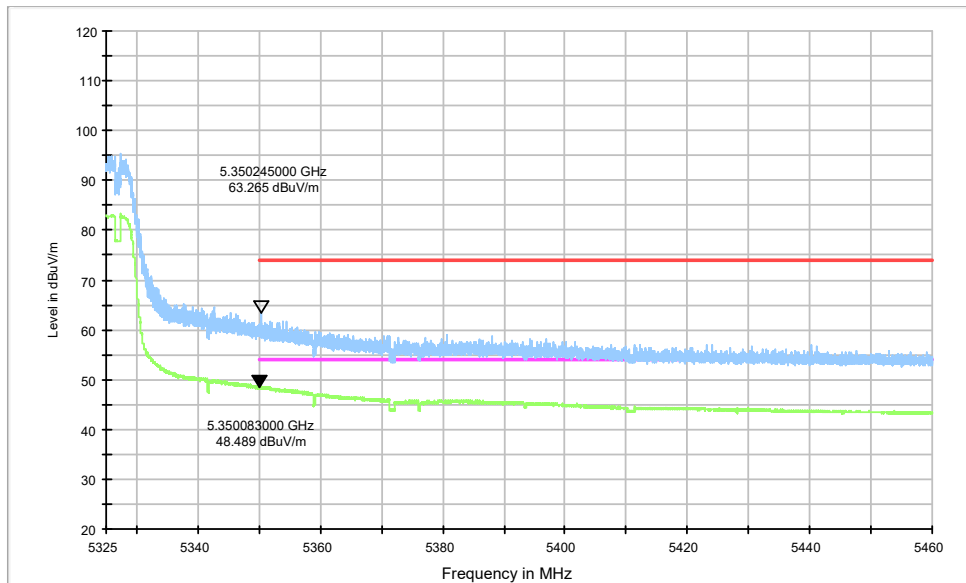


Fig. 34 Band Edges (802.11ax-HE80 Ch58, 5290MHz)

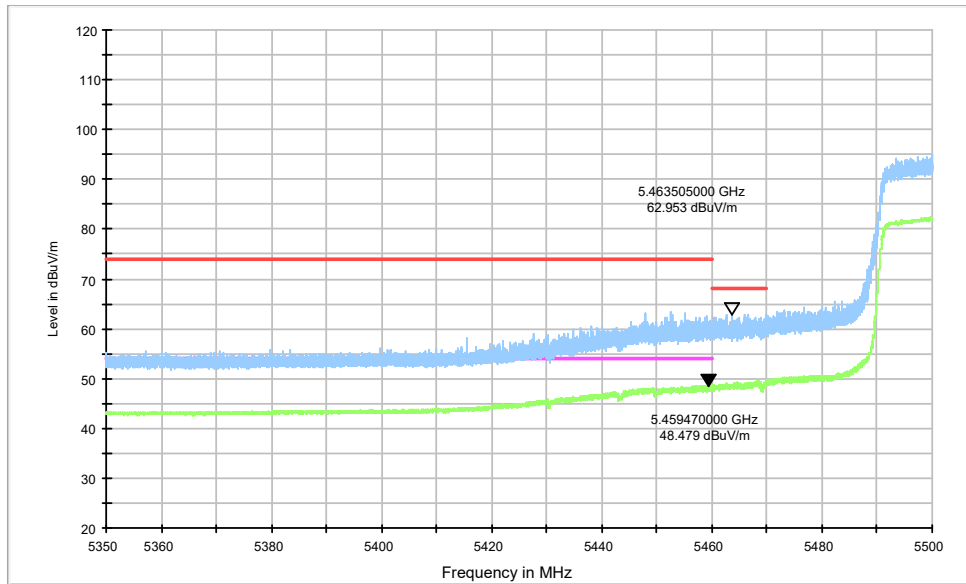


Fig. 35 Band Edges (802.11ax-HE80 Ch106, 5530MHz)

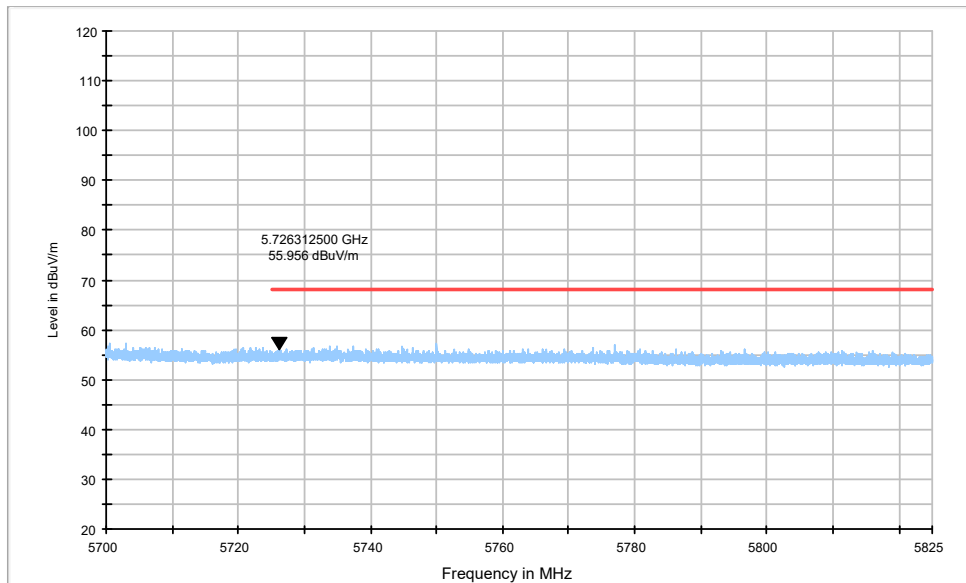


Fig. 36 Band Edges (802.11ax-HE80 Ch122, 5610MHz)

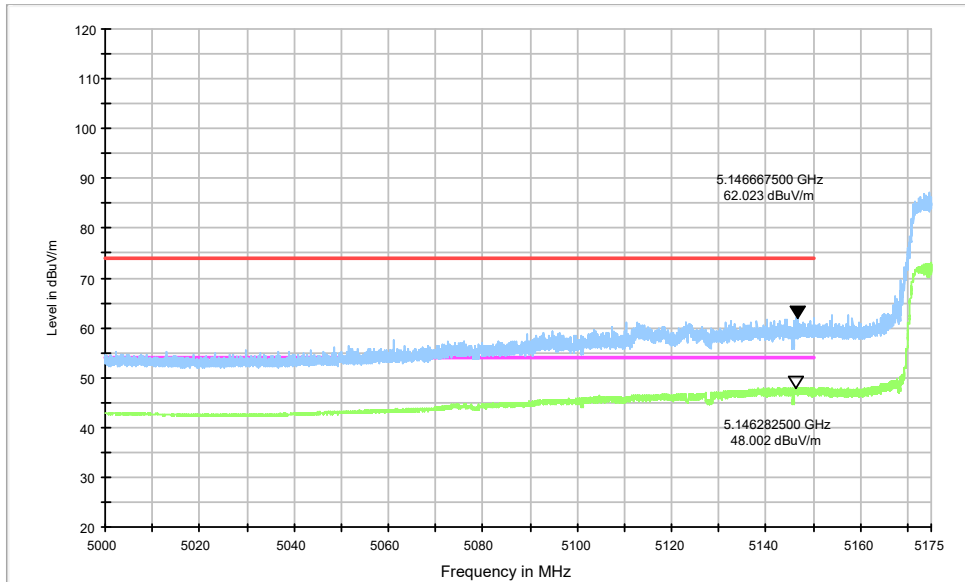


Fig. 37 Band Edges (802.11ax-HE160 Ch50, 5250MHz)

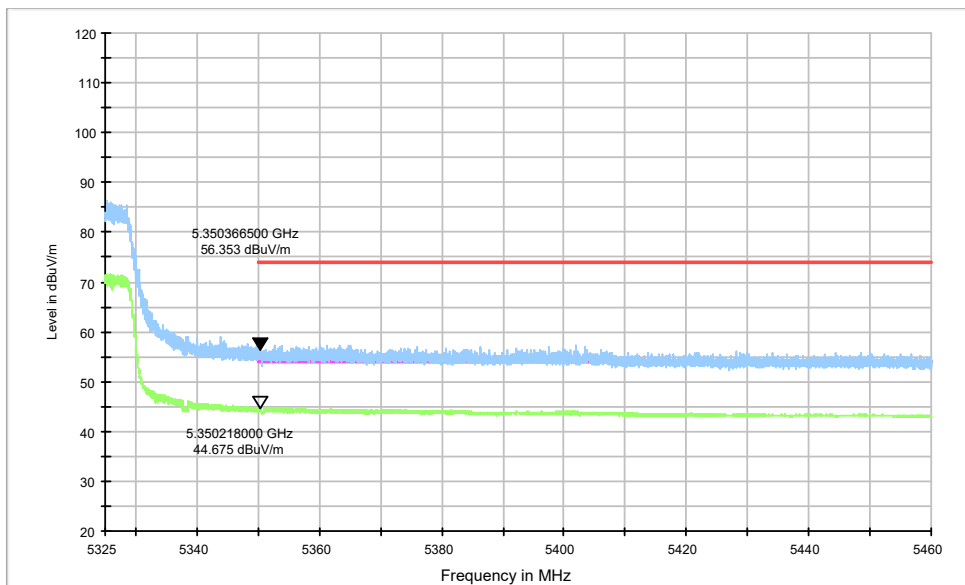


Fig. 38 Band Edges (802.11ax-HE160 Ch50, 5250MHz)