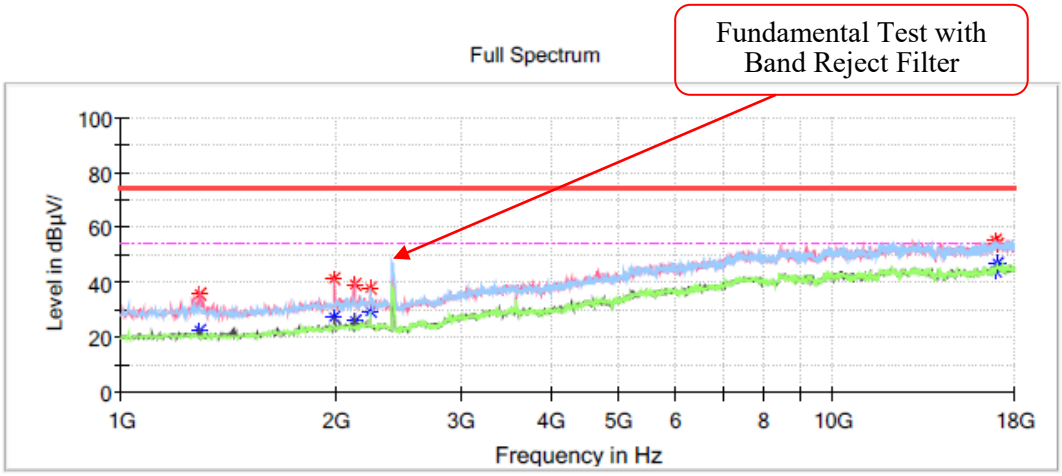
802.11ax-HE20 Mode :

Low Channel: 2412MHz

Common Information

Project No.:	RKSC250418002
EUT Model:	D110PLUS
Test Mode:	Transmitting in 802.11ax20 mode 2412 channel
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	23.4℃
Humidity:	49%
Atmospheric Pressure:	101.0kPa
Test Engineer:	Destine Hu
Test Date:	2025/5/8



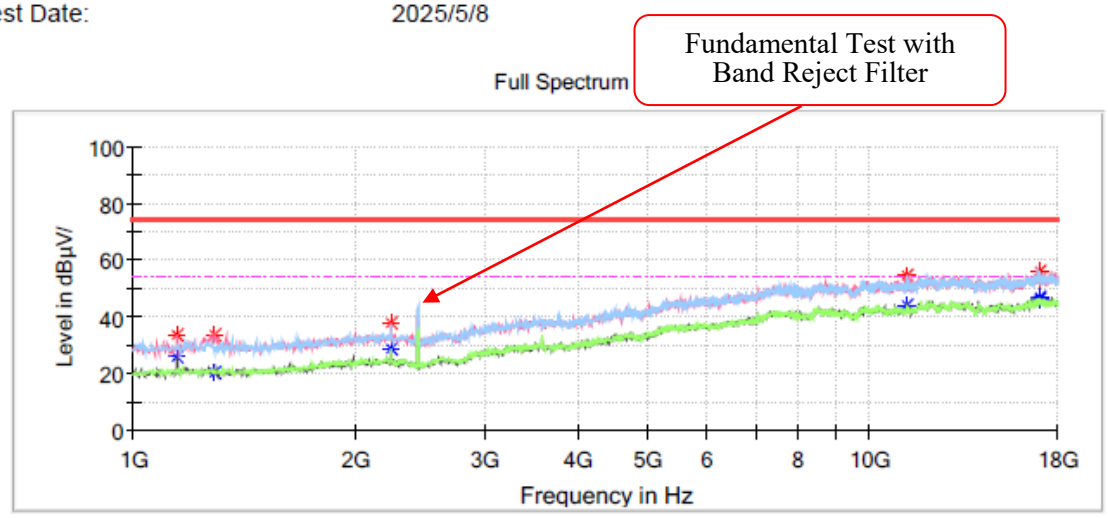
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1292.400000	---	22.40	54.00	31.60	V	-15.0
1292.400000	35.41	---	74.00	38.59	V	-15.0
1996.200000	---	27.45	54.00	26.55	V	-11.8
1996.200000	41.06	---	74.00	32.94	V	-11.8
2128.800000	---	26.16	54.00	27.84	V	-11.3
2128.800000	39.05	---	74.00	34.95	V	-11.3
2237.600000	---	29.33	54.00	24.67	H	-11.0
2237.600000	37.74	---	74.00	36.26	H	-11.0
16878.000000	55.48	---	74.00	18.52	V	11.9
16878.000000	---	44.16	54.00	9.84	V	11.9
16997.000000	53.58	---	74.00	20.42	H	12.3
16997.000000	---	46.85	54.00	7.15	H	12.3

Middle Channel: 2437MHz

Common Information

Project No.:	RKSC250418002
EUT Model:	D110PLUS
Test Mode:	Transmitting in 802.11ax20 mode 2437 channel
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	23.4℃
Humidity:	49%
Atmospheric Pressure:	101.0kPa
Test Engineer:	Destine Hu
Test Date:	2025/5/8



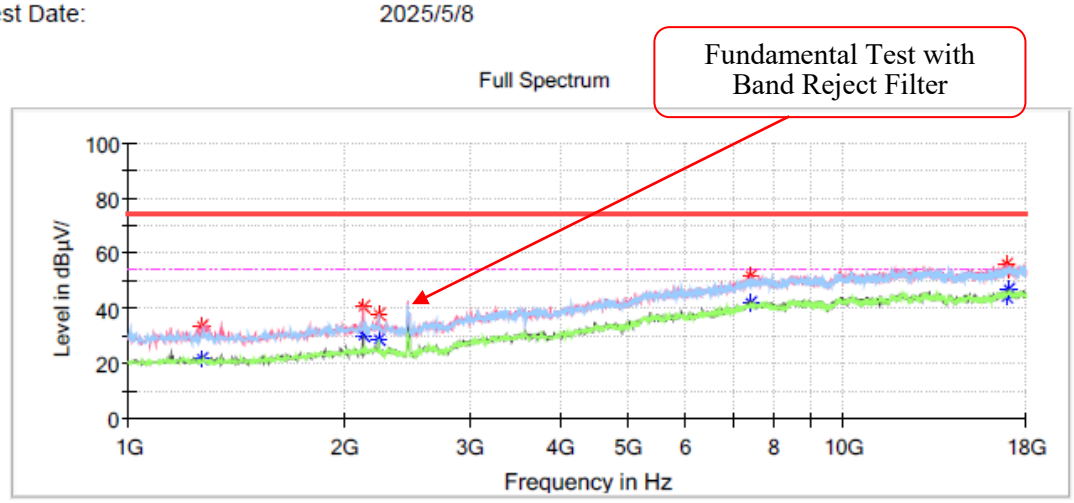
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1149.600000	---	25.57	54.00	28.43	V	-15.2
1149.600000	33.53	---	74.00	40.47	V	-15.2
1285.600000	---	20.49	54.00	33.51	V	-15.0
1285.600000	33.50	---	74.00	40.50	V	-15.0
2237.600000	---	28.88	54.00	25.12	H	-11.0
2237.600000	37.46	---	74.00	36.54	H	-11.0
11261.200000	---	44.09	54.00	9.91	V	8.1
11261.200000	54.43	---	74.00	19.57	V	8.1
17020.800000	55.93	---	74.00	18.07	H	12.2
17020.800000	---	46.20	54.00	7.80	H	12.2
17037.800000	53.43	---	74.00	20.57	V	12.2
17037.800000	---	46.80	54.00	7.20	V	12.2

High Channel: 2462MHz

Common Information

Project No.:	RKSC250418002
EUT Model:	D110PLUS
Test Mode:	Transmitting in 802.11ax20 mode 2462 channel
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	23.4℃
Humidity:	49%
Atmospheric Pressure:	101.0kPa
Test Engineer:	Destine Hu
Test Date:	2025/5/8



Critical_Freqs

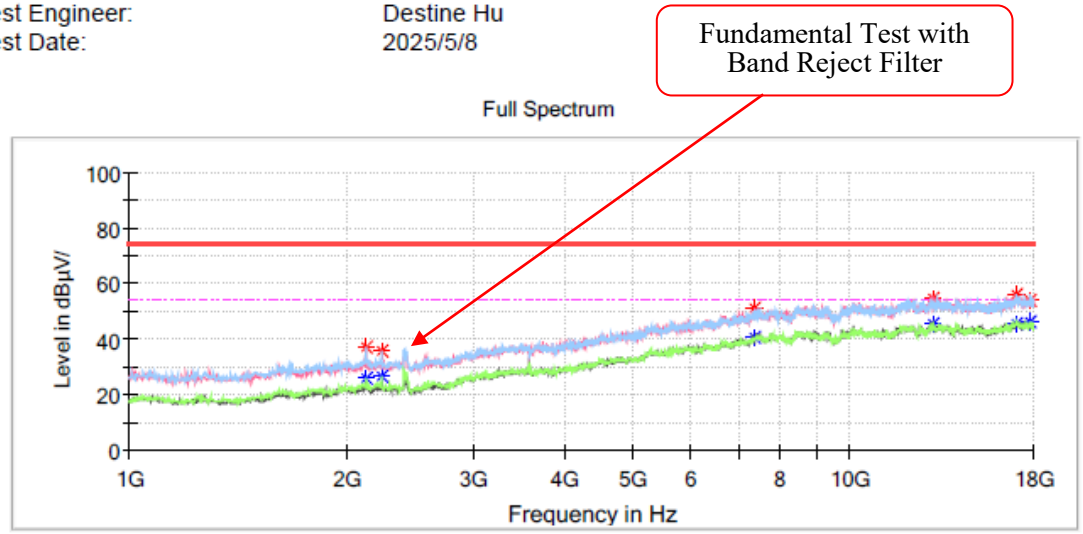
Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1268.600000	---	21.64	54.00	32.36	V	-15.1
1268.600000	33.35	---	74.00	40.65	V	-15.1
2125.400000	40.79	---	74.00	33.21	V	-11.3
2125.400000	---	29.89	54.00	24.11	V	-11.3
2237.600000	37.91	---	74.00	36.09	H	-11.0
2237.600000	---	28.74	54.00	25.26	H	-11.0
7412.400000	---	42.26	54.00	11.74	V	3.7
7412.400000	52.10	---	74.00	21.90	V	3.7
16929.000000	---	44.28	54.00	9.72	V	12.1
16929.000000	55.78	---	74.00	18.22	V	12.1
17031.000000	---	46.58	54.00	7.42	V	12.2
17031.000000	54.11	---	74.00	19.89	V	12.2

802.11ax-HE40 Mode :

Low Channel: 2422MHz

Common Information

Project No.:	RKSC250418002
EUT Model:	D110PLUS
Test Mode:	Transmitting in 802.11ax40 mode 2422 channel
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	23.4℃
Humidity:	49%
Atmospheric Pressure:	101.0kPa
Test Engineer:	Destine Hu
Test Date:	2025/5/8



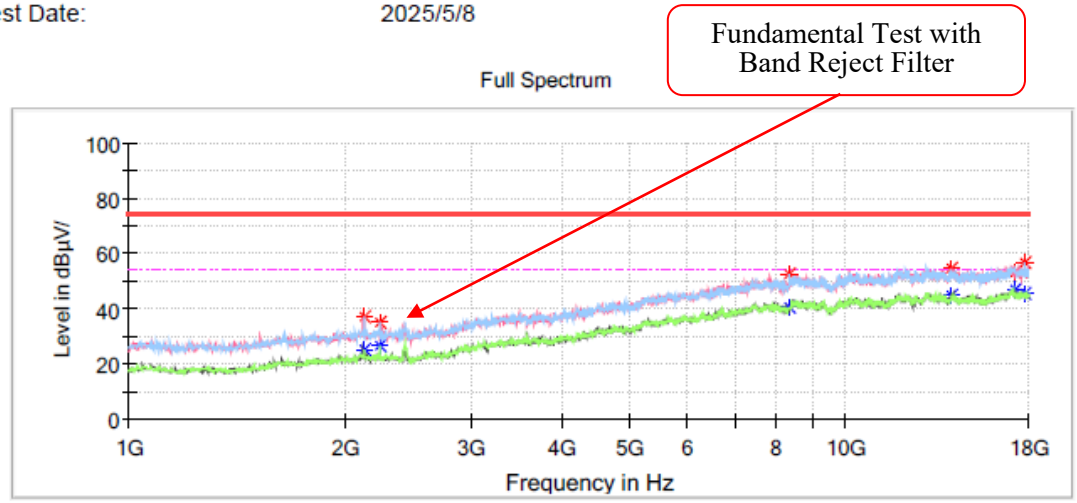
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2128.800000	37.35	---	74.00	36.65	H	-11.3
2128.800000	---	25.94	54.00	28.06	H	-11.3
2237.600000	35.33	---	74.00	38.67	H	-11.0
2237.600000	---	26.27	54.00	27.73	H	-11.0
7385.200000	51.11	---	74.00	22.89	V	3.6
7385.200000	---	40.50	54.00	13.50	V	3.6
12998.600000	---	45.53	54.00	8.47	V	9.7
12998.600000	54.69	---	74.00	19.31	V	9.7
16993.600000	55.74	---	74.00	18.26	V	12.3
16993.600000	---	45.71	54.00	8.29	V	12.3
17813.000000	---	46.39	54.00	7.61	H	11.8
17813.000000	54.02	---	74.00	19.98	H	11.8

Middle Channel: 2437MHz

Common Information

Project No.:	RKSC250418002
EUT Model:	D110PLUS
Test Mode:	Transmitting in 802.11ax40 mode 2437 channel
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	23.4℃
Humidity:	49%
Atmospheric Pressure:	101.0kPa
Test Engineer:	Destine Hu
Test Date:	2025/5/8



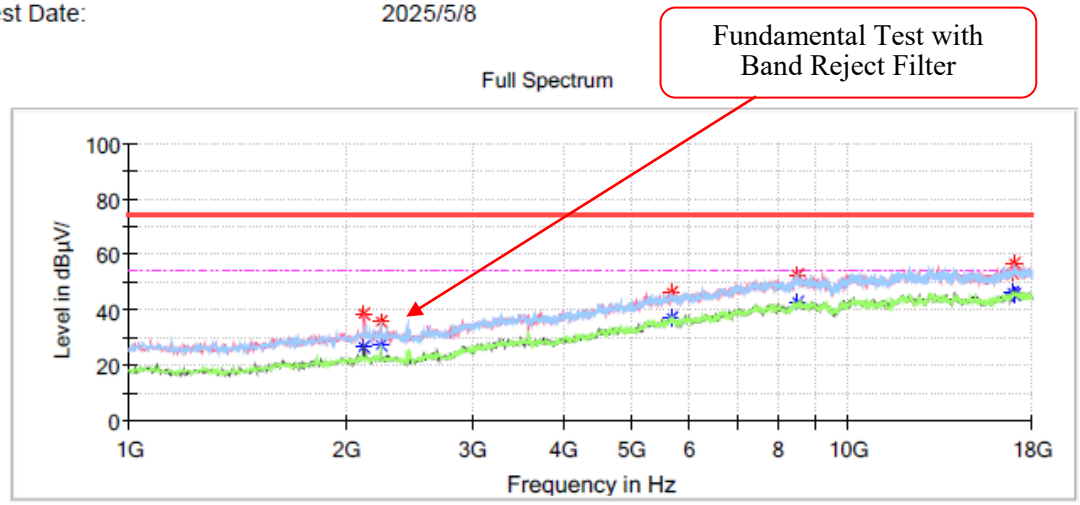
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2128.800000	37.39	---	74.00	36.61	H	-11.3
2128.800000	---	25.08	54.00	28.92	H	-11.3
2237.600000	35.00	---	74.00	39.00	H	-11.0
2237.600000	---	26.70	54.00	27.30	H	-11.0
8330.400000	52.21	---	74.00	21.79	H	4.9
8330.400000	---	40.31	54.00	13.69	H	4.9
14045.800000	---	44.76	54.00	9.24	V	9.8
14045.800000	54.45	---	74.00	19.55	V	9.8
17275.800000	53.29	---	74.00	20.71	V	11.9
17275.800000	---	46.60	54.00	7.40	V	11.9
17728.000000	56.63	---	74.00	17.37	H	11.7
17728.000000	---	45.30	54.00	8.70	H	11.7

High Channel: 2452MHz

Common Information

Project No.:	RKSC250418002
EUT Model:	D110PLUS
Test Mode:	Transmitting in 802.11ax40 mode 2452 channel
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	23.4℃
Humidity:	49%
Atmospheric Pressure:	101.0kPa
Test Engineer:	Destine Hu
Test Date:	2025/5/8



Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2122.000000	38.30	---	74.00	35.70	V	-11.4
2122.000000	---	26.58	54.00	27.42	V	-11.4
2237.600000	35.69	---	74.00	38.31	H	-11.0
2237.600000	---	27.58	54.00	26.42	H	-11.0
5678.400000	46.35	---	74.00	27.65	V	-0.2
5678.400000	---	36.99	54.00	17.01	V	-0.2
8497.000000	---	42.66	54.00	11.34	H	5.4
8497.000000	52.10	---	74.00	21.90	H	5.4
16969.800000	53.49	---	74.00	20.51	V	12.2
16969.800000	---	46.49	54.00	7.51	V	12.2
17027.600000	56.62	---	74.00	17.38	H	12.2
17027.600000	---	45.71	54.00	8.29	H	12.2

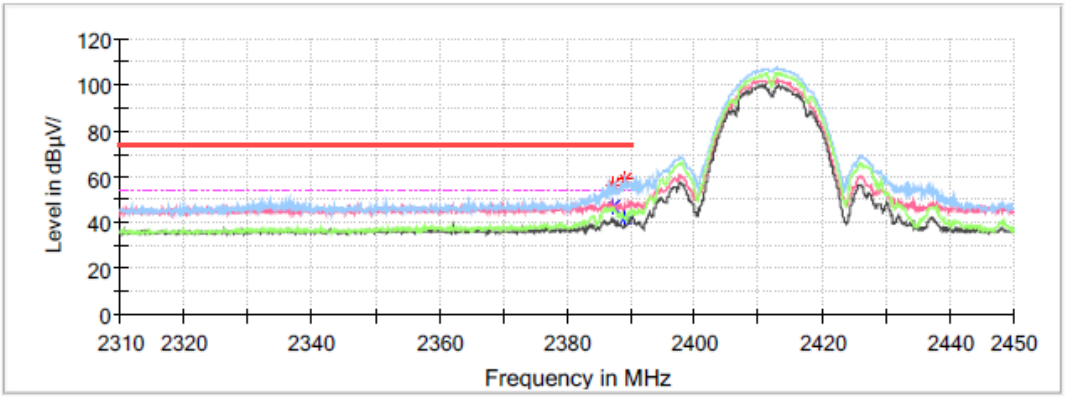
Band Edge:
802.11b Mode:

Low Channel

Common Information

Project No.:	RKSC250418002
EUT Model:	D110PLUS
Test Mode:	Transmitting in 802.11b mode 2412 channel
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	23.4℃
Humidity:	49%
Atmospheric Pressure:	101.0kPa
Test Engineer:	Destine Hu
Test Date:	2025/5/8

Full Spectrum



Critical_Freqs

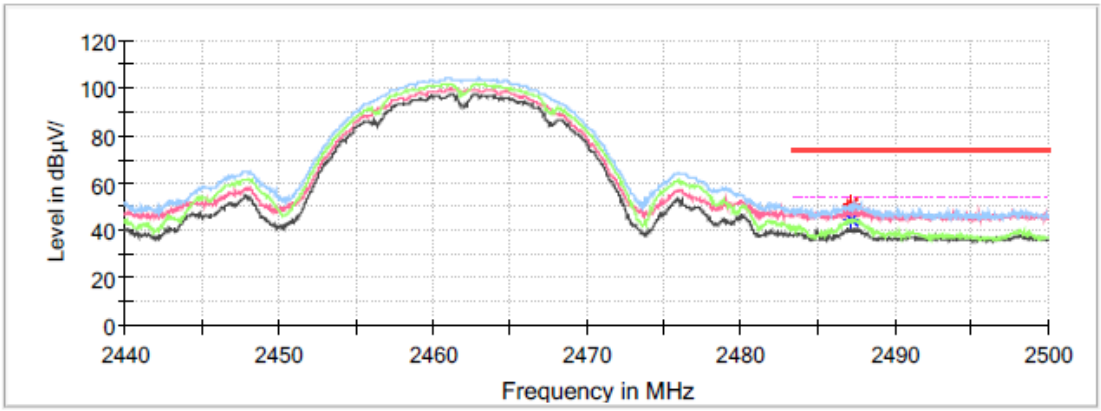
Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2387.336000	56.28	---	74.00	17.72	H	-0.6
2387.336000	---	46.58	54.00	7.42	H	-0.6
2389.184000	58.88	---	74.00	15.12	H	-0.6
2389.184000	---	41.87	54.00	12.13	H	-0.6

High Channel

Common Information

Project No.:	RKSC250418002
EUT Model:	D110PLUS
Test Mode:	Transmitting in 802.11b mode 2462 channel
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	23.4℃
Humidity:	49%
Atmospheric Pressure:	101.0kPa
Test Engineer:	Destine Hu
Test Date:	2025/5/8

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2487.208000	---	44.61	54.00	9.39	H	-0.2
2487.208000	50.23	---	74.00	23.77	H	-0.2
2487.232000	---	44.49	54.00	9.51	H	-0.2
2487.232000	50.99	---	74.00	23.01	H	-0.2

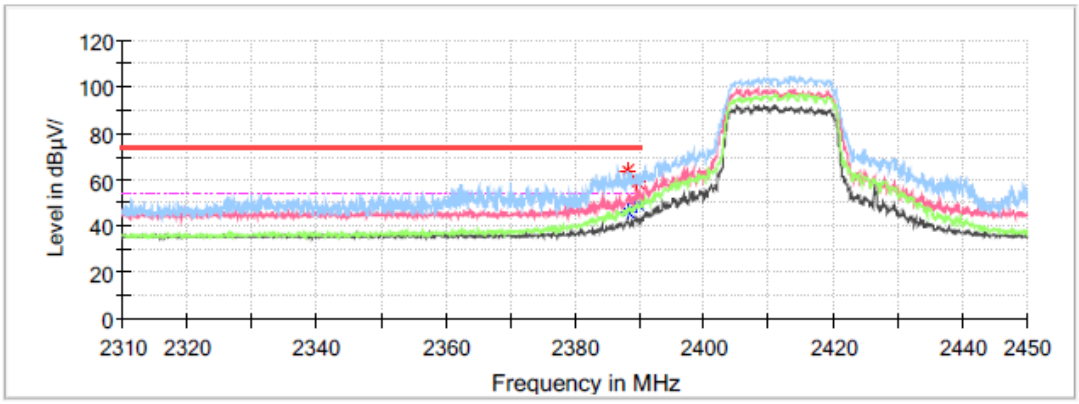
802.11g Mode :

Low Channel

Common Information

Project No.:	RKSC250418002
EUT Model:	D110PLUS
Test Mode:	Transmitting in 802.11g mode 2412 channel
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	23.4℃
Humidity:	49%
Atmospheric Pressure:	101.0kPa
Test Engineer:	Destine Hu
Test Date:	2025/5/8

Full Spectrum



Critical_Freqs

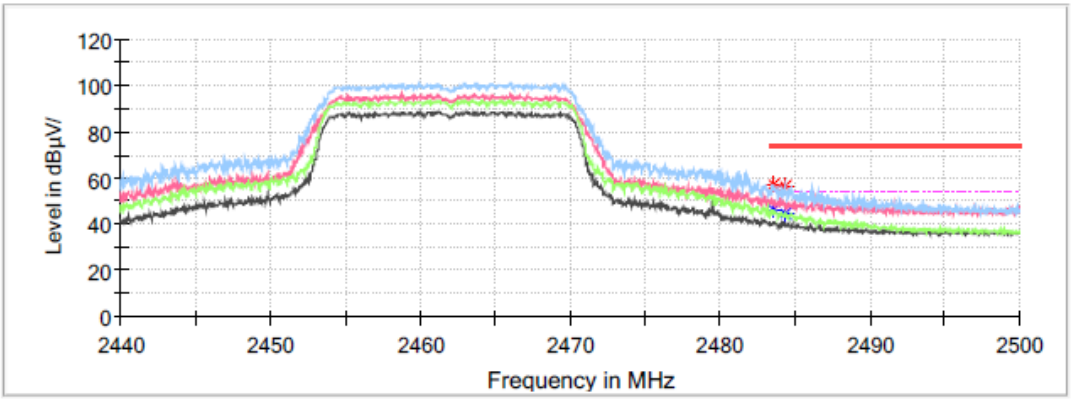
Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2388.288000	63.87	---	74.00	10.13	H	-0.6
2388.288000	---	46.50	54.00	7.50	H	-0.6
2389.800000	58.39	---	74.00	15.61	H	-0.6
2389.800000	---	49.39	54.00	4.61	H	-0.6

High Channel

Common Information

Project No.:	RKSC250418002
EUT Model:	D110PLUS
Test Mode:	Transmitting in 802.11g mode 2462 channel
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	23.4℃
Humidity:	49%
Atmospheric Pressure:	101.0kPa
Test Engineer:	Destine Hu
Test Date:	2025/5/8

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2483.584000	57.28	---	74.00	16.72	H	-0.3
2483.584000	---	46.02	54.00	7.98	H	-0.3
2484.304000	---	44.57	54.00	9.43	H	-0.3
2484.304000	56.27	---	74.00	17.73	H	-0.3

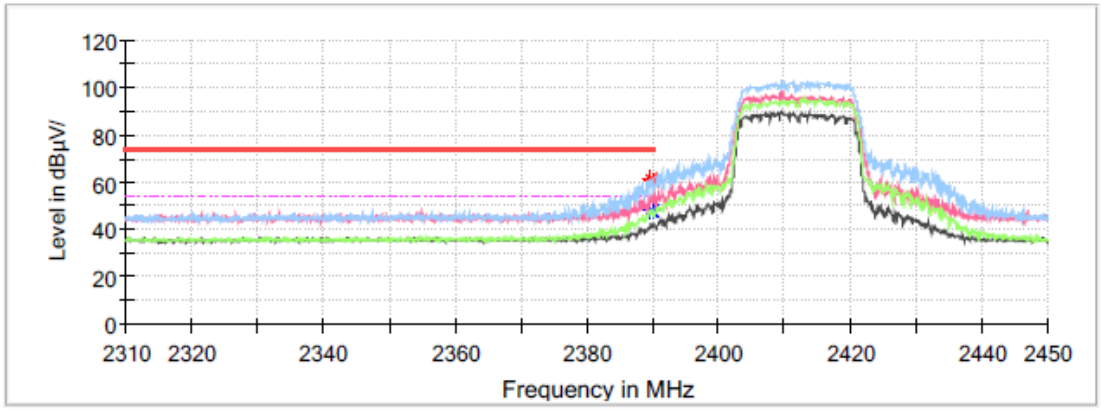
802.11n-HT20 Mode:

Low Channel

Common Information

Project No.:	RKSC250418002
EUT Model:	D110PLUS
Test Mode:	Transmitting in 802.11n20 mode 2412 channel
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	23.4℃
Humidity:	49%
Atmospheric Pressure:	101.0kPa
Test Engineer:	Destine Hu
Test Date:	2025/5/8

Full Spectrum



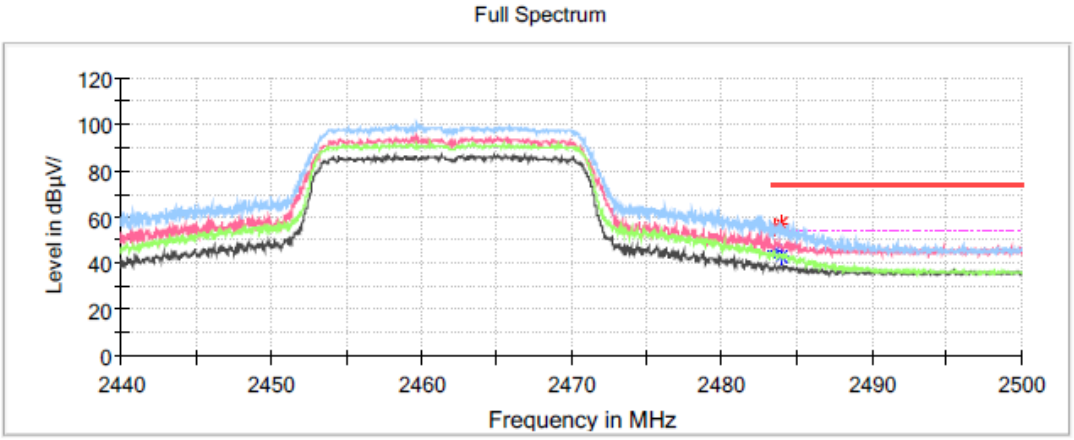
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2389.688000	61.19	---	74.00	12.81	H	-0.6
2389.688000	---	47.94	54.00	6.06	H	-0.6
2389.856000	60.77	---	74.00	13.23	H	-0.6
2389.856000	---	48.02	54.00	5.98	H	-0.6

High Channel

Common Information

Project No.:	RKSC250418002
EUT Model:	D110PLUS
Test Mode:	Transmitting in 802.11n20 mode 2462 channel
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	23.4℃
Humidity:	49%
Atmospheric Pressure:	101.0kPa
Test Engineer:	Destine Hu
Test Date:	2025/5/8



Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2483.584000	---	44.97	54.00	9.03	H	-0.3
2483.584000	55.48	---	74.00	18.52	H	-0.3
2483.920000	---	43.06	54.00	10.94	H	-0.3
2483.920000	56.68	---	74.00	17.32	H	-0.3

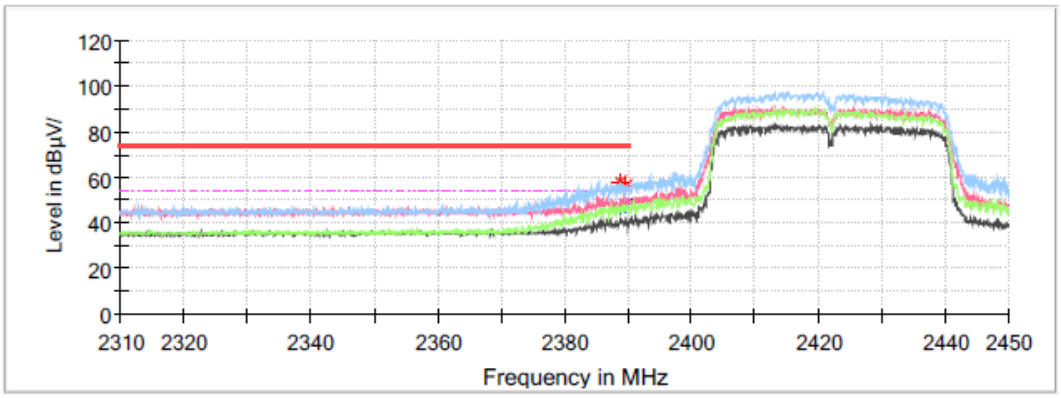
802.11n-HT40 Mode:

Low Channel

Common Information

Project No.:	RKSC250418002
EUT Model:	D110PLUS
Test Mode:	Transmitting in 802.11n40 mode 2422 channel
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	23.4℃
Humidity:	49%
Atmospheric Pressure:	101.0kPa
Test Engineer:	Destine Hu
Test Date:	2025/5/8

Full Spectrum



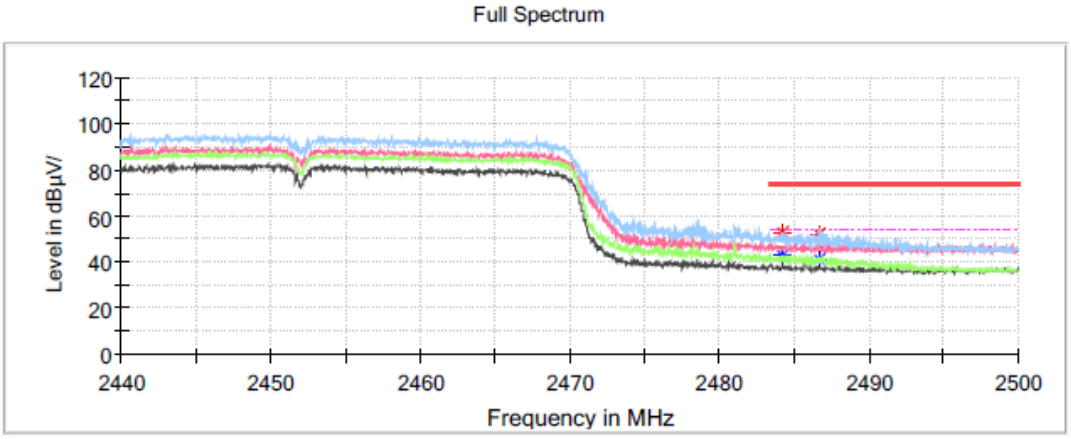
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2388.792000	57.94	---	74.00	16.06	H	-0.6
2388.792000	---	47.09	54.00	6.91	H	-0.6
2389.632000	56.53	---	74.00	17.47	H	-0.6
2389.632000	---	48.20	54.00	5.80	H	-0.6

High Channel

Common Information

Project No.:	RKSC250418002
EUT Model:	D110PLUS
Test Mode:	Transmitting in 802.11n40 mode 2452 channel
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	23.4℃
Humidity:	49%
Atmospheric Pressure:	101.0kPa
Test Engineer:	Destine Hu
Test Date:	2025/5/8



Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2484.256000	52.63	---	74.00	21.37	H	-0.3
2484.256000	---	43.18	54.00	10.82	H	-0.3
2486.632000	---	41.17	54.00	12.83	H	-0.2
2486.632000	52.10	---	74.00	21.90	H	-0.2

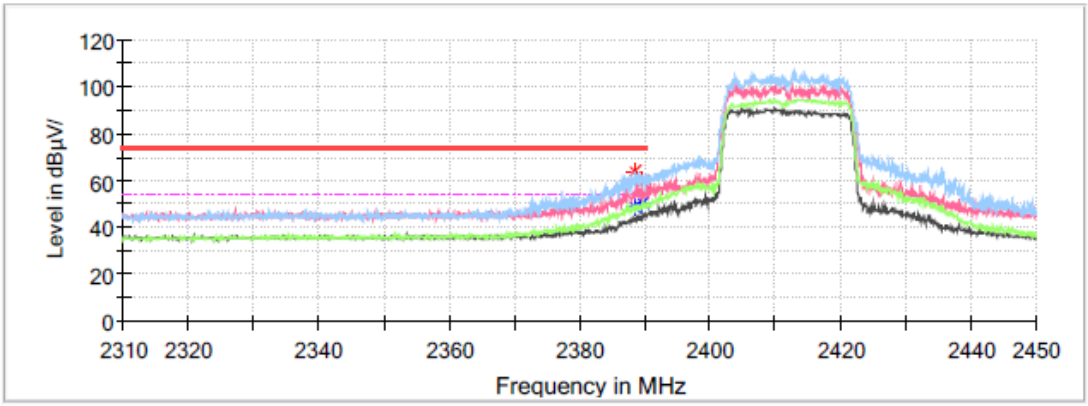
802.11ax-HE20 Mode :

Low Channel

Common Information

Project No.:	RKSC250418002
EUT Model:	D110PLUS
Test Mode:	Transmitting in 802.11ax20 mode 2412 channel
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	23.4℃
Humidity:	49%
Atmospheric Pressure:	101.0kPa
Test Engineer:	Destine Hu
Test Date:	2025/5/8

Full Spectrum



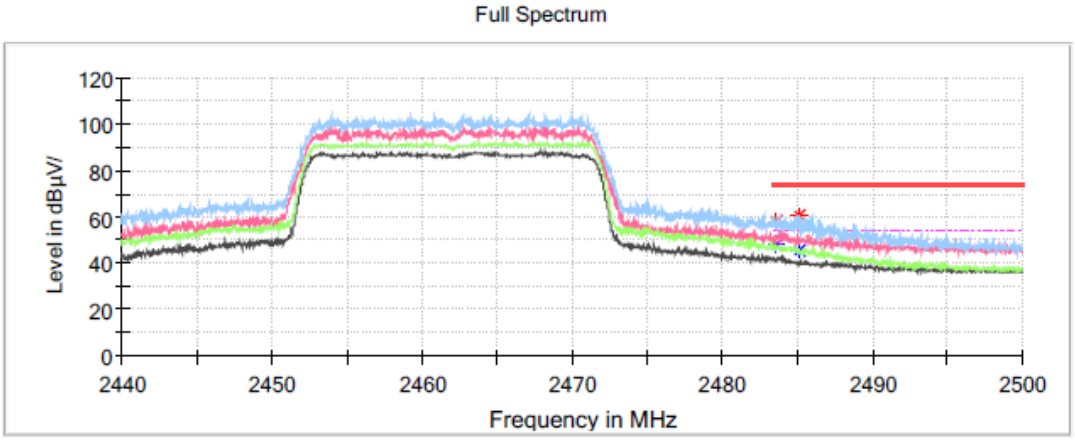
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2388.456000	63.78	---	74.00	10.22	H	-0.6
2388.456000	---	48.58	54.00	5.42	H	-0.6
2389.576000	59.76	---	74.00	14.24	H	-0.6
2389.576000	---	50.71	54.00	3.29	H	-0.6

High Channel

Common Information

Project No.:	RKSC250418002
EUT Model:	D110PLUS
Test Mode:	Transmitting in 802.11ax20 mode 2462 channel
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	23.4℃
Humidity:	49%
Atmospheric Pressure:	101.0kPa
Test Engineer:	Destine Hu
Test Date:	2025/5/8



Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2483.584000	---	47.54	54.00	6.46	H	-0.3
2483.584000	57.53	---	74.00	16.47	H	-0.3
2485.120000	---	45.68	54.00	8.32	H	-0.3
2485.120000	60.52	---	74.00	13.48	H	-0.3

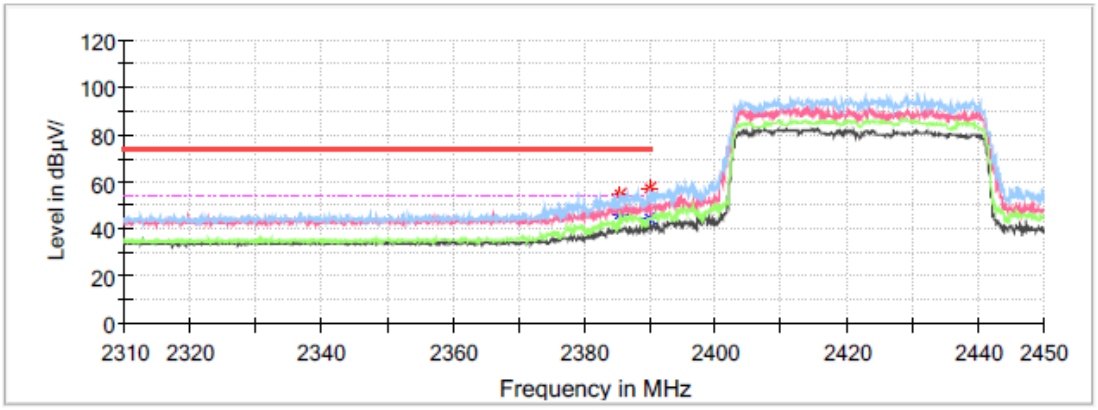
802.11ax-HE40 Mode :

Low Channel

Common Information

Project No.:	RKSC250418002
EUT Model:	D110PLUS
Test Mode:	Transmitting in 802.11ax40 mode 2422 channel
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	23.4℃
Humidity:	49%
Atmospheric Pressure:	101.0kPa
Test Engineer:	Destine Hu
Test Date:	2025/5/8

Full Spectrum



Critical_Freqs

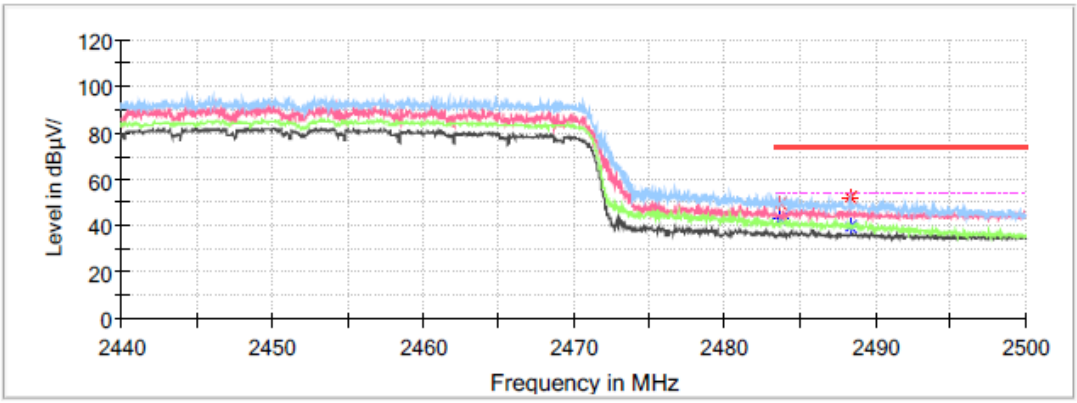
Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2385.544000	54.36	---	74.00	19.64	H	-0.6
2385.544000	---	46.49	54.00	7.51	H	-0.6
2389.968000	56.80	---	74.00	17.20	H	-0.6
2389.968000	---	44.79	54.00	9.21	H	-0.6

High Channel

Common Information

Project No.:	RKSC250418002
EUT Model:	D110PLUS
Test Mode:	Transmitting in 802.11ax40 mode 2452 channel
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	23.4℃
Humidity:	49%
Atmospheric Pressure:	101.0kPa
Test Engineer:	Destine Hu
Test Date:	2025/5/8

Full Spectrum

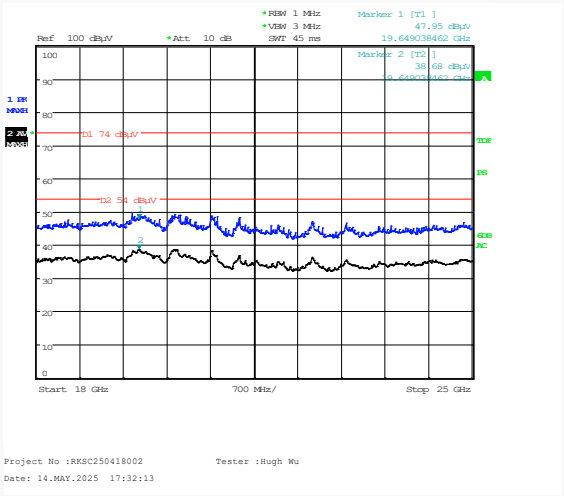


Critical_Freqs

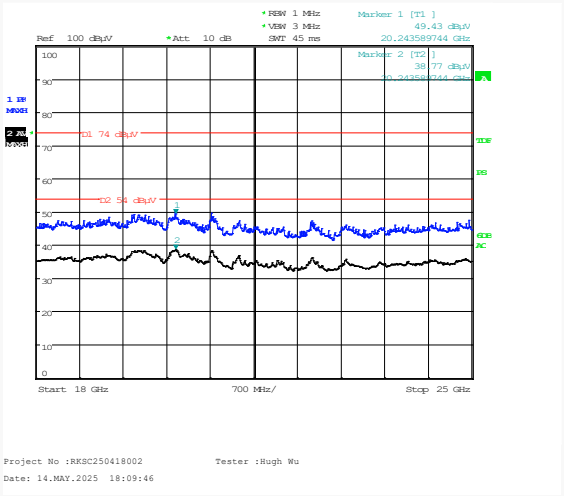
Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2483.704000	---	42.94	54.00	11.06	H	-0.3
2483.704000	49.72	---	74.00	24.28	H	-0.3
2488.312000	---	39.66	54.00	14.34	H	-0.2
2488.312000	52.18	---	74.00	21.82	H	-0.2

18GHz-25GHz: Transmitting in maximum output power mode and 802.11b low channel

Horizontal



Vertical



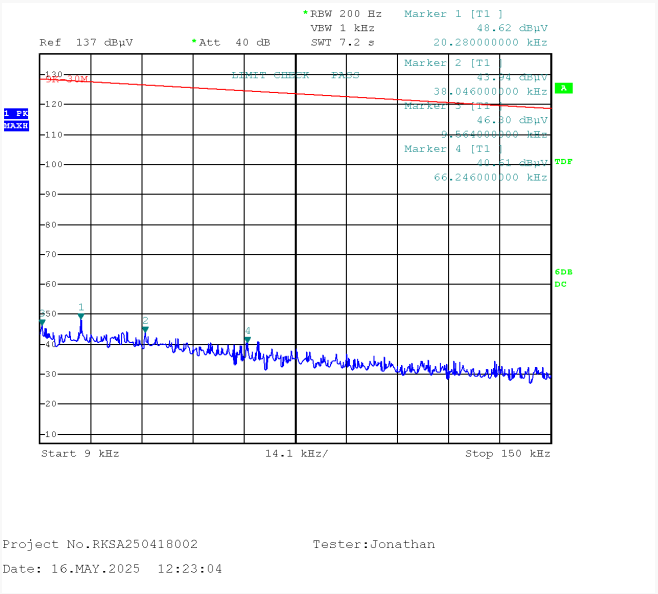
Frequency (GHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
19.65	---	38.68	54	15.32	H	11.62
19.65	47.95	---	74	26.05	H	11.62
20.24	---	38.77	54	15.23	V	12.73
20.24	49.43	---	74	24.57	V	12.73

Note: The test distance is 3m. The limit is 74dBµV/m (Peak) and 54dBµV/m (Average).

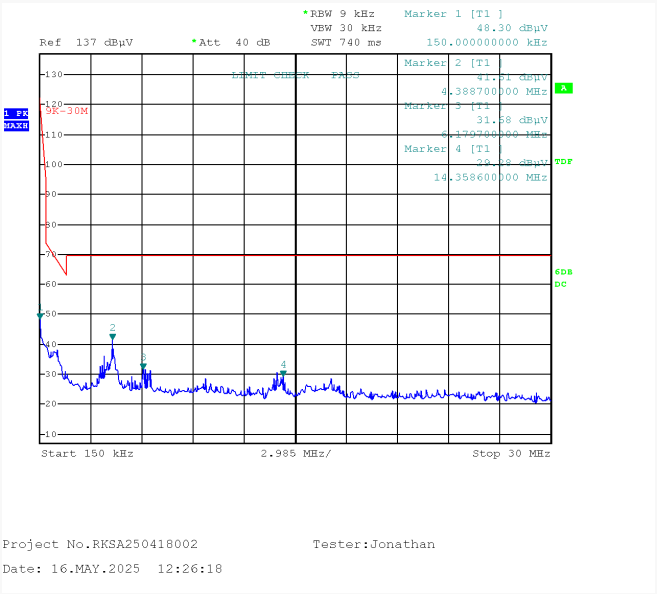
For BLE Mode:

9 kHz-30MHz: Transmitting in maximum output power mode BLE (1 Mbps) low channel
Parallel(worst case)

9kHz-150kHz



150kHz-30MHz



9 kHz-150 kHz

Frequency (kHz)	Corrected Amplitude (dBµV/m) @3m	Detector PK/QP/Ave.	Corrected Factor (dB/m)	Limit (dBµV/m) @3m	Margin (dB)
20.28	48.62	PK	-0.56	121.46	72.84
38.05	43.94	PK	-1.90	116.00	72.06
9.56	46.3	PK	-0.42	128.00	81.70
40.61	66.25	PK	-2.31	115.43	49.18

150 kHz-30 MHz

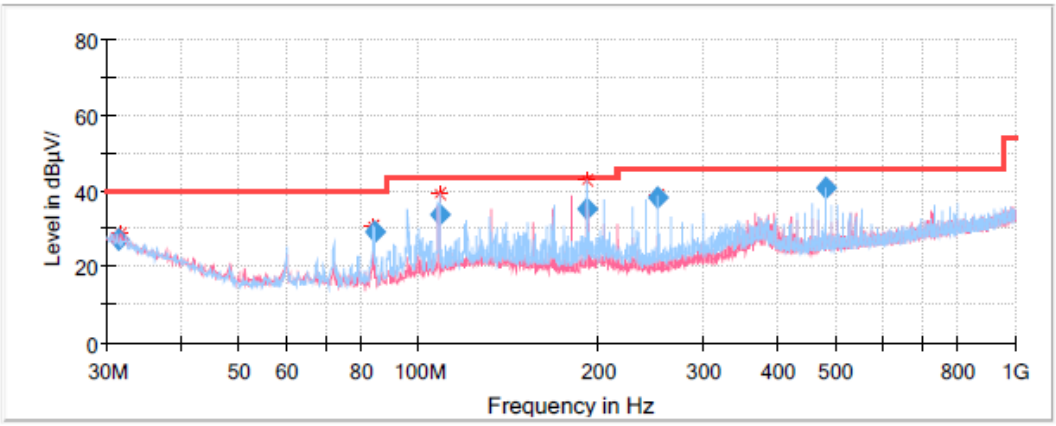
Frequency (MHz)	Corrected Amplitude (dBµV/m) @3m	Detector PK/QP/Ave.	Corrected Factor (dB/m)	Limit (dBµV/m) @3m	Margin (dB)
0.15	48.3	PK	-11.34	104.08	55.78
4.39	41.51	PK	-31.97	69.54	28.03
6.18	31.68	PK	-32.24	69.54	37.86
14.36	29.28	PK	-33.13	69.54	40.26

BLE (1 Mbps)
30MHz-1GHz

Low Channel: 2402MHz

Common Information

Project No:	RKSC250418002
EUT Model:	D110PLUS
Test Mode:	Transmitting in BLE-1M mode low channel
Standard:	FCC Part 15.205 &FCC Part 15.209&FCC Part 15.247
Test Equipment:	ESCI, JB3, 310N
Receiver Setting:	RBW:100 kHz, VBW: 300 kHz, Sweep Time: Auto
Temperature:	23.9℃
Humidity:	47%
Barometric Pressure:	101.3kPa
Test Engineer:	Jonathan
Test Date:	2025/5/14



Final_Result

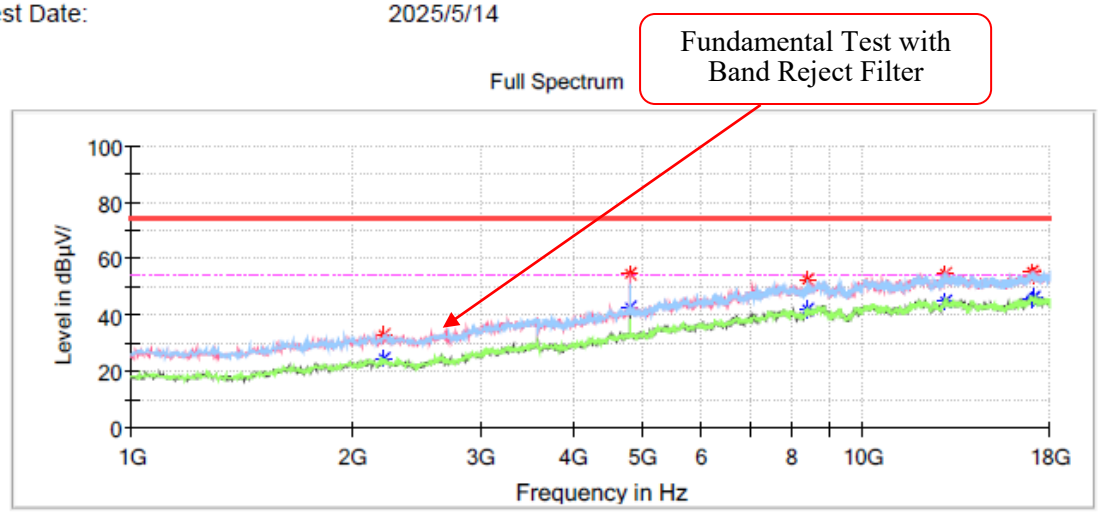
Frequency (MHz)	QuasiPeak (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
31.474550	27.37	40.00	12.63	V	-5.7
84.033350	29.41	40.00	10.59	H	-17.0
108.007250	33.79	43.50	9.71	H	-12.9
192.013700	35.02	43.50	8.48	H	-12.4
252.029450	38.39	46.00	7.61	H	-12.1
480.002250	40.90	46.00	5.10	H	-5.9

BLE (1 Mbps)
1GHz-18GHz:

Low Channel: 2402MHz

Common Information

Project No.:	RKSC250418002
EUT Model:	D110PLUS
Test Mode:	BLE
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	24.8℃
Humidity:	51%
Atmospheric Pressure:	101.3kPa
Test Engineer:	Destine Hu
Test Date:	2025/5/14



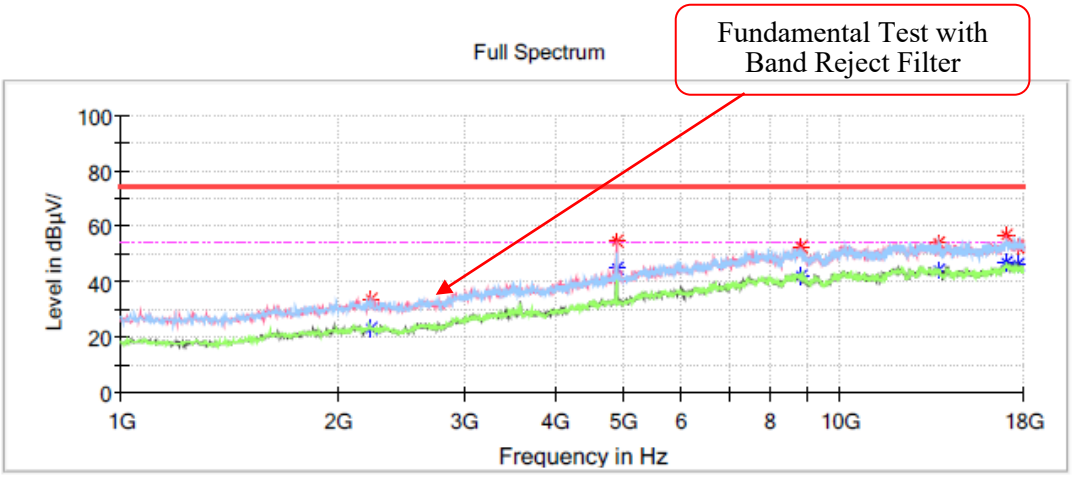
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2213.800000	---	24.41	54.00	29.59	H	-11.1
2213.800000	33.11	---	74.00	40.89	H	-11.1
4804.600000	---	42.37	54.00	11.63	V	-3.2
4804.600000	54.27	---	74.00	19.73	V	-3.2
8415.400000	---	42.00	54.00	12.00	H	5.2
8415.400000	52.30	---	74.00	21.70	H	5.2
12981.600000	---	44.62	54.00	9.38	H	9.7
12981.600000	54.40	---	74.00	19.60	H	9.7
17071.800000	55.52	---	74.00	18.48	V	12.2
17071.800000	---	45.35	54.00	8.65	V	12.2
17136.400000	53.54	---	74.00	20.46	V	12.1
17136.400000	---	46.37	54.00	7.63	V	12.1

Middle Channel: 2440MHz

Common Information

Project No.:	RKSC250418002
EUT Model:	D110PLUS
Test Mode:	BLE
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	24.8℃
Humidity:	51%
Atmospheric Pressure:	101.3kPa
Test Engineer:	Destine Hu
Test Date:	2025/5/14



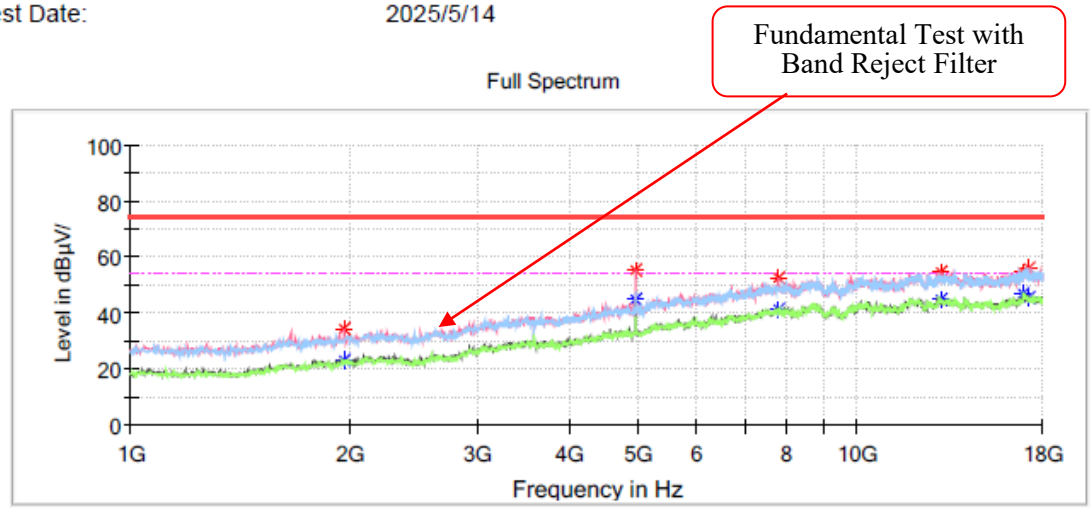
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2220.600000	---	23.12	54.00	30.88	V	-11.0
2220.600000	33.60	---	74.00	40.40	V	-11.0
4879.400000	---	44.84	54.00	9.16	V	-2.9
4879.400000	54.20	---	74.00	19.80	V	-2.9
8823.400000	---	42.01	54.00	11.99	H	5.4
8823.400000	52.77	---	74.00	21.23	H	5.4
13692.200000	---	44.09	54.00	9.91	H	9.7
13692.200000	54.06	---	74.00	19.94	H	9.7
17020.800000	---	46.67	54.00	7.33	V	12.2
17020.800000	56.78	---	74.00	17.22	V	12.2
17721.200000	52.54	---	74.00	21.46	H	11.7
17721.200000	---	46.23	54.00	7.77	H	11.7

High Channel: 2480MHz

Common Information

Project No.:	RKSC250418002
EUT Model:	D110PLUS
Test Mode:	BLE
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	24.8℃
Humidity:	51%
Atmospheric Pressure:	101.3kPa
Test Engineer:	Destine Hu
Test Date:	2025/5/14



Critical_Freqs

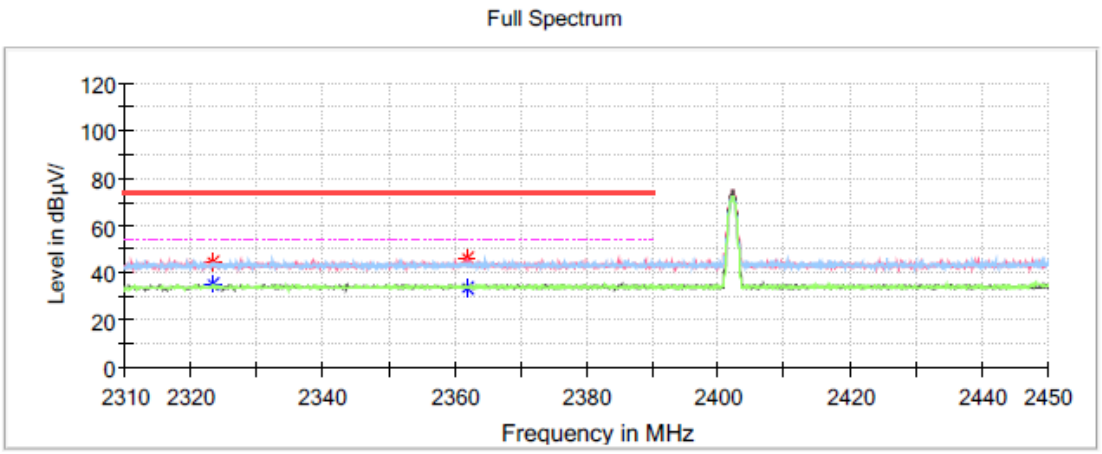
Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1965.600000	---	23.07	54.00	30.93	H	-11.9
1965.600000	34.45	---	74.00	39.55	H	-11.9
4957.600000	---	44.48	54.00	9.52	V	-2.6
4957.600000	54.94	---	74.00	19.06	V	-2.6
7803.400000	---	40.96	54.00	13.04	V	3.9
7803.400000	52.14	---	74.00	21.86	V	3.9
13008.800000	---	44.65	54.00	9.35	H	9.7
13008.800000	54.20	---	74.00	19.80	H	9.7
16969.800000	---	47.15	54.00	6.85	H	12.2
16969.800000	54.66	---	74.00	19.34	H	12.2
17228.200000	---	45.49	54.00	8.51	V	11.9
17228.200000	55.62	---	74.00	18.38	V	11.9

Band Edge:

Low Channel

Common Information

Project No.:	RKSC250418002
EUT Model:	D110PLUS
Test Mode:	BLE
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	24.8℃
Humidity:	51%
Atmospheric Pressure:	101.3kPa
Test Engineer:	Destine Hu
Test Date:	2025/5/14



Critical_Freqs

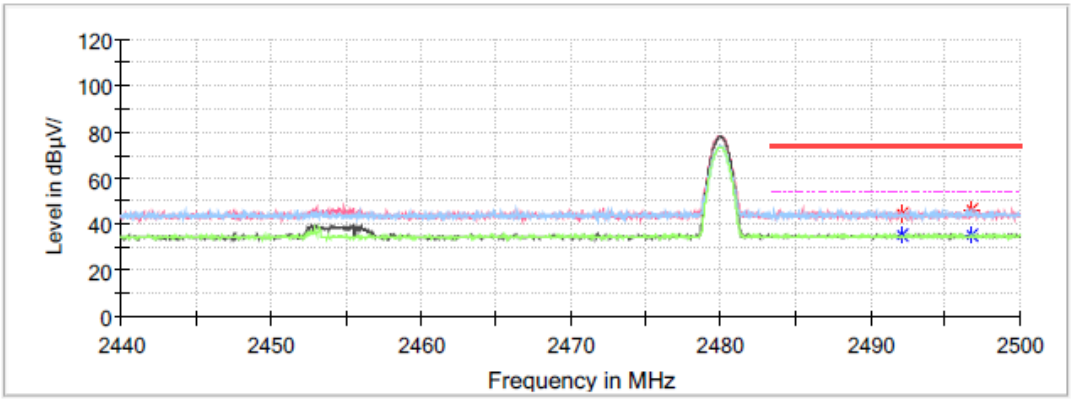
Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2323.328000	44.70	---	74.00	29.30	H	-0.8
2323.328000	---	34.95	54.00	19.05	H	-0.8
2361.912000	45.99	---	74.00	28.01	V	-0.7
2361.912000	---	33.94	54.00	20.06	V	-0.7

High Channel

Common Information

Project No.:	RKSC250418002
EUT Model:	D110PLUS
Test Mode:	BLE
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	24.8℃
Humidity:	51%
Atmospheric Pressure:	101.3kPa
Test Engineer:	Destine Hu
Test Date:	2025/5/14

Full Spectrum

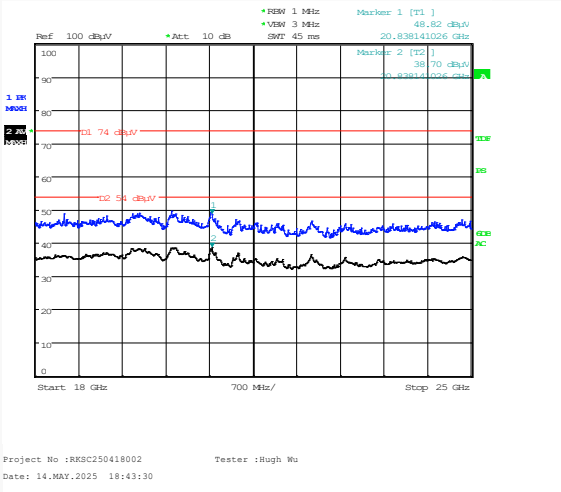


Critical_Freqs

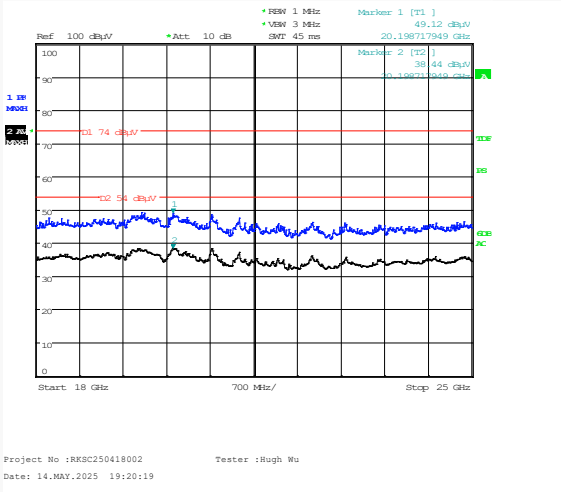
Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2492.128000	---	35.63	54.00	18.37	V	-0.2
2492.128000	44.68	---	74.00	29.32	V	-0.2
2496.712000	---	34.92	54.00	19.08	H	-0.2
2496.712000	46.24	---	74.00	27.76	H	-0.2

18GHz-25GHz: *Transmitting in maximum output power mode and BLE 1M low channel*

Horizontal



Vertical



Frequency (GHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
20.20	---	38.44	54	15.56	V	12.46
20.20	49.12	---	74	24.88	V	12.46
20.84	---	38.7	54	15.3	H	12.49
20.84	48.82	---	74	25.18	H	12.49

Note: The test distance is 3m. The limit is 74dBµV/m(Peak) and 54dBµV/m(Average).

6 dB EMISSION BANDWIDTH

Environmental Conditions & Test Information

Test Date:	2025-05-20~2025-05-21
Temperature:	24.9-25.5 ℃
Relative Humidity:	50-52 %
ATM Pressure:	100.2-101.3kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test Result: Compliant.

EUT operation mode: Transmitting

For Wi-Fi Mode:

Channel	Frequency (MHz)	6 dB Emission Bandwidth (MHz)	Limit (MHz)	Result
802.11b Mode				
Low	2412	9.240	≥0.5	Pass
Middle	2437	9.200	≥0.5	Pass
High	2462	9.240	≥0.5	Pass
802.11g Mode				
Low	2412	16.440	≥0.5	Pass
Middle	2437	16.480	≥0.5	Pass
High	2462	16.440	≥0.5	Pass
802.11n-HT20 Mode				
Low	2412	17.520	≥0.5	Pass
Middle	2437	17.480	≥0.5	Pass
High	2462	17.480	≥0.5	Pass
802.11n-HT40 Mode				
Low	2422	35.840	≥0.5	Pass
Middle	2437	35.840	≥0.5	Pass
High	2452	35.840	≥0.5	Pass

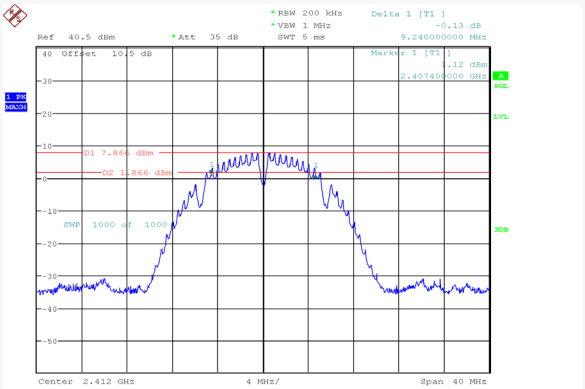
Channel	Frequency (MHz)	6 dB Emission Bandwidth (MHz)	Limit (MHz)	Result
802.11ax20 Mode				
Low	2412	19.040	≥0.5	Pass
Middle	2437	19.080	≥0.5	Pass
High	2462	19.080	≥0.5	Pass
802.11ax40 Mode				
Low	2422	38.000	≥0.5	Pass
Middle	2437	38.000	≥0.5	Pass
High	2452	38.000	≥0.5	Pass

For BLE Mode:

Mode	Channel	Frequency (MHz)	6 dB Emission Bandwidth (MHz)	Limit (MHz)	Result
BLE (1 Mbps)	Low	2402	1.228	≥0.5	Pass
	Middle	2440	1.264	≥0.5	Pass
	High	2480	1.292	≥0.5	Pass

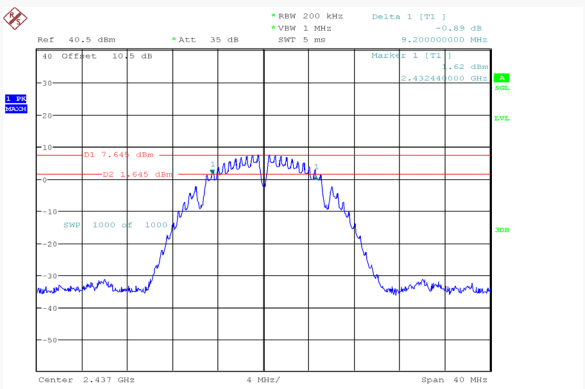
For Wi-Fi Mode:

802.11b Mode Low Channel



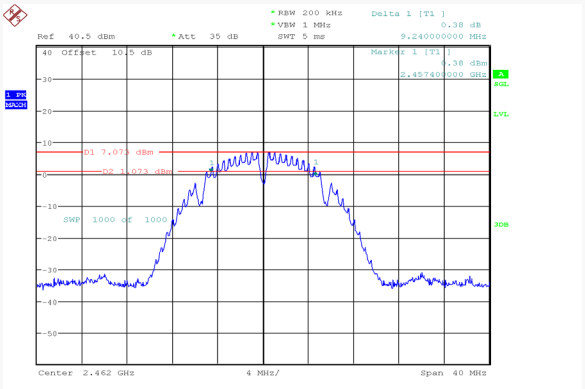
ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 20.MAY.2025 17:56:51

802.11b Mode Middle Channel



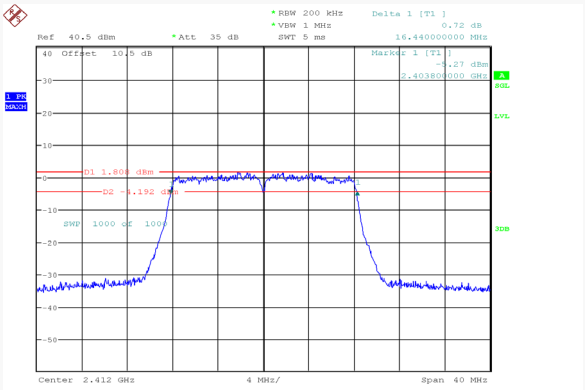
ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 20.MAY.2025 18:08:31

802.11b Mode High Channel



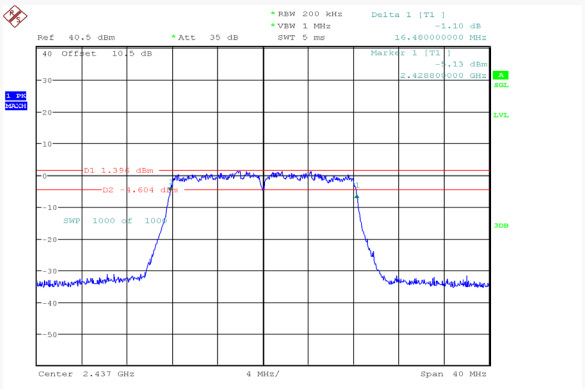
ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 20.MAY.2025 18:21:17

802.11g Mode Low Channel



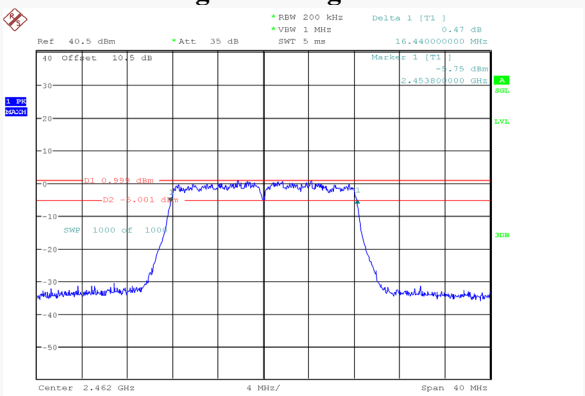
ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 20.MAY.2025 18:33:05

802.11g Mode Middle Channel



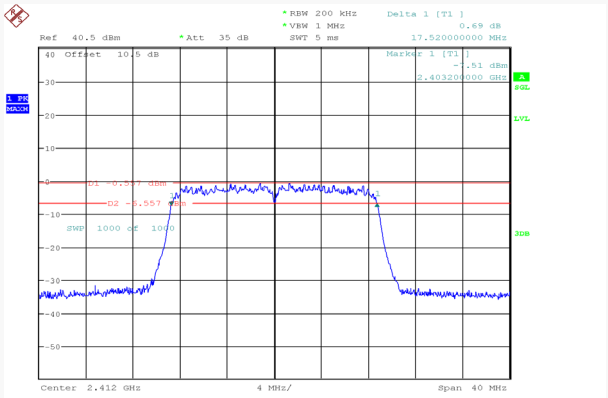
ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 20.MAY.2025 18:46:50

802.11g Mode High Channel



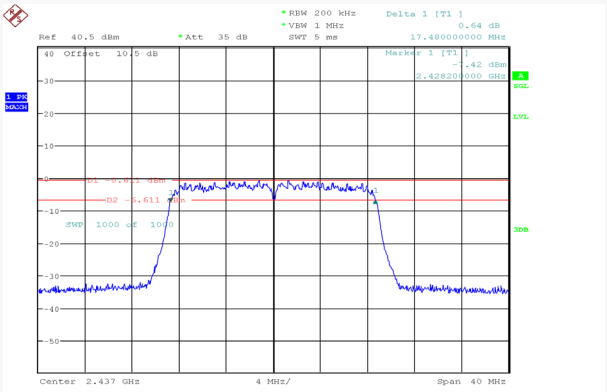
ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 20.MAY.2025 19:01:12

802.11n-HT20 Mode Low Channel



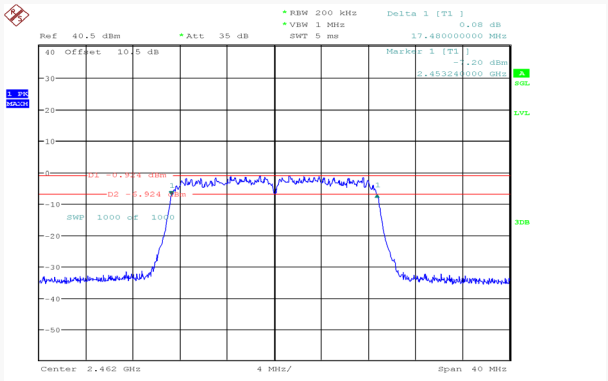
ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 20.MAY.2025 16:09:12

802.11n-HT20 Mode Middle Channel



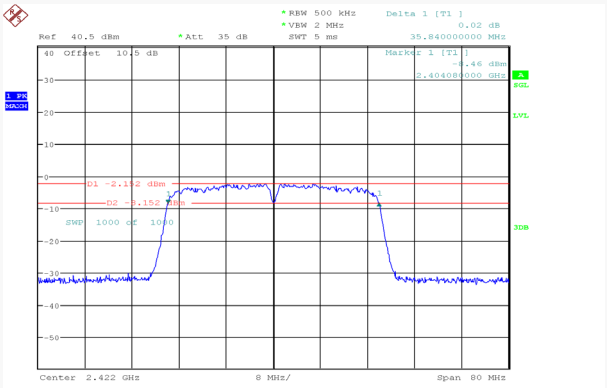
ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 20.MAY.2025 16:23:09

802.11n-HT20 Mode High Channel



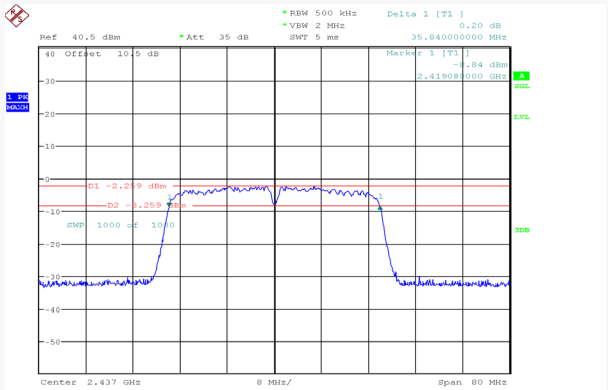
ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 20.MAY.2025 16:36:55

802.11n-HT40 Mode Low Channel



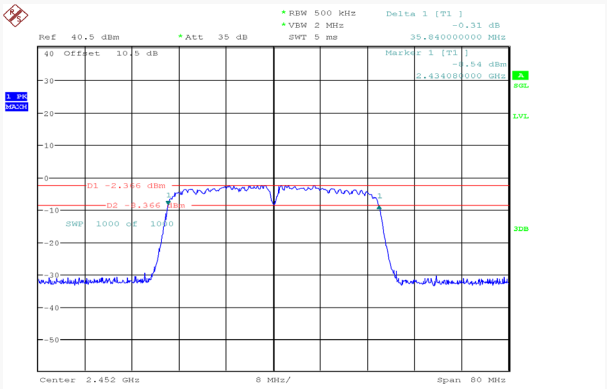
ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 20.MAY.2025 16:52:24

802.11n-HT40 Mode Middle Channel



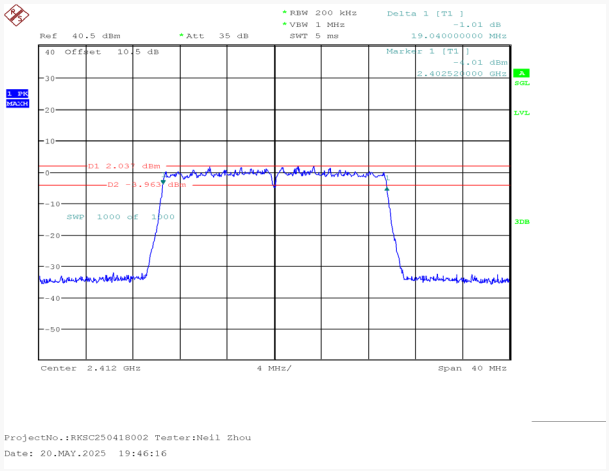
ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 20.MAY.2025 17:13:19

802.11n-HT40 Mode High Channel



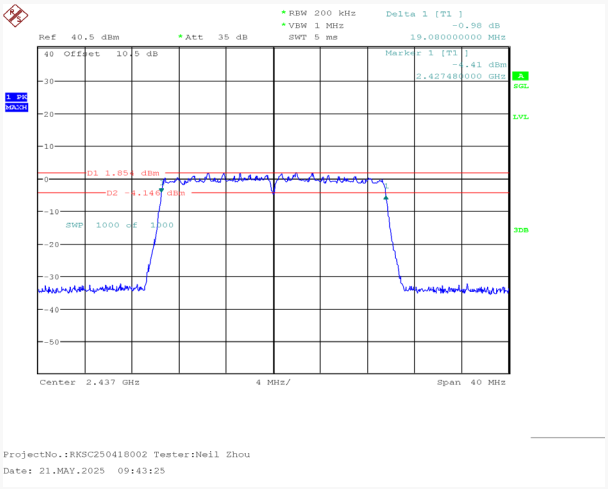
ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 20.MAY.2025 17:33:04

802.11ax20 Mode Low Channel



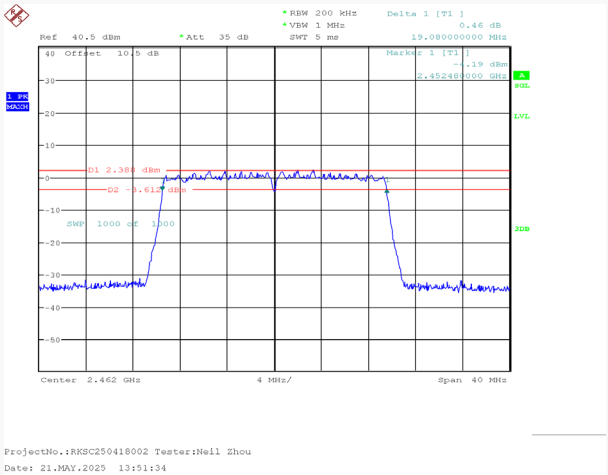
ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 20.MAY.2025 19:46:16

802.11ax20 Mode Middle Channel



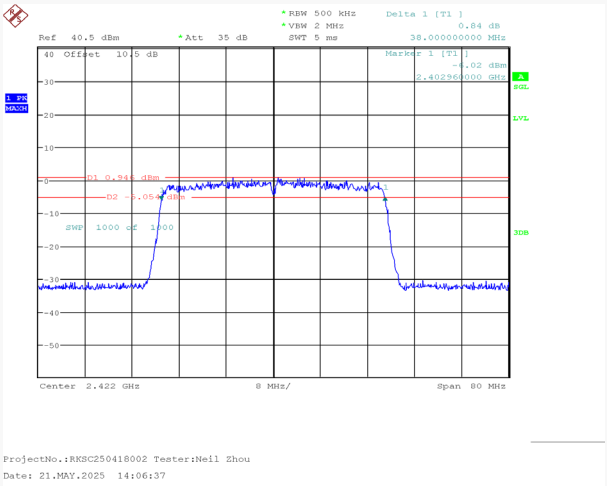
ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 21.MAY.2025 09:43:25

802.11ax20 Mode High Channel



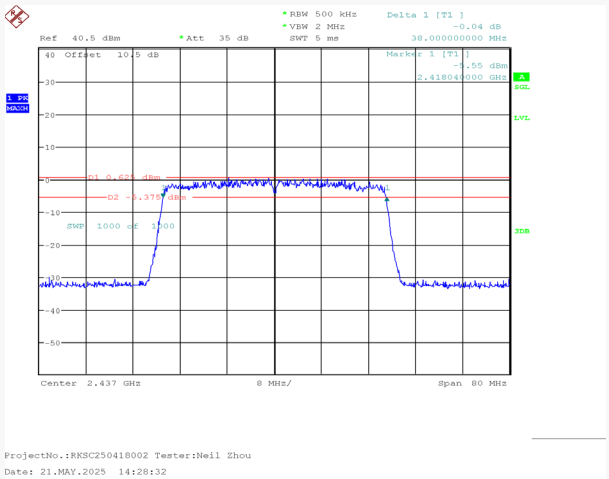
ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 21.MAY.2025 13:51:34

802.11ax40 Mode Low Channel



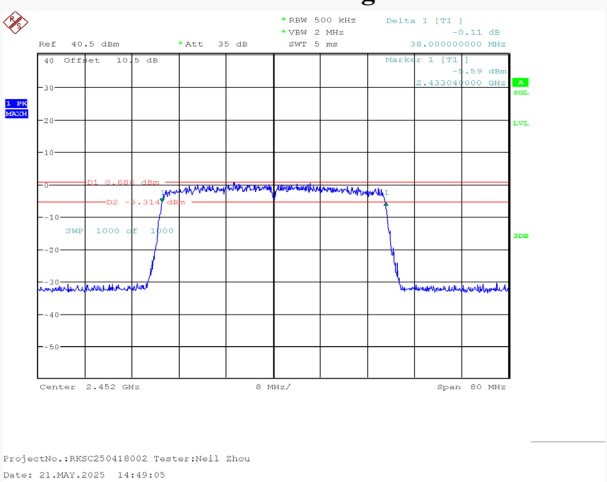
ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 21.MAY.2025 14:06:37

802.11ax40 Mode Middle Channel



ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 21.MAY.2025 14:28:32

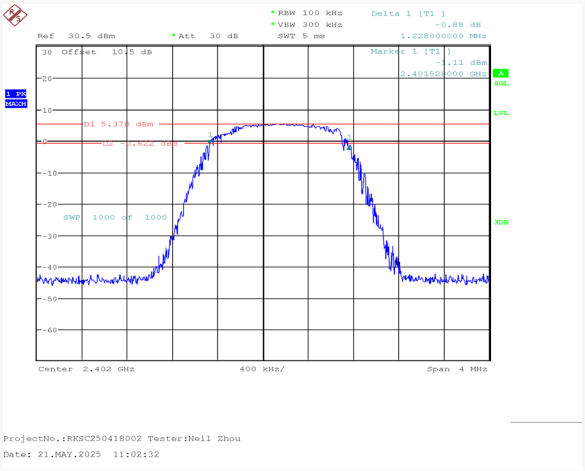
802.11ax40 Mode High Channel



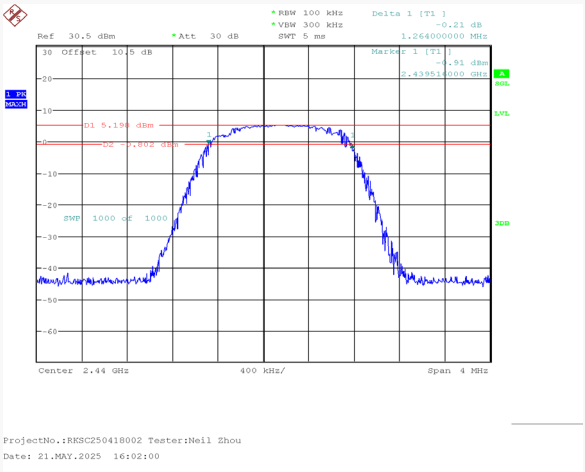
ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 21.MAY.2025 14:49:05

For BLE Mode:
BLE (1 Mbps)

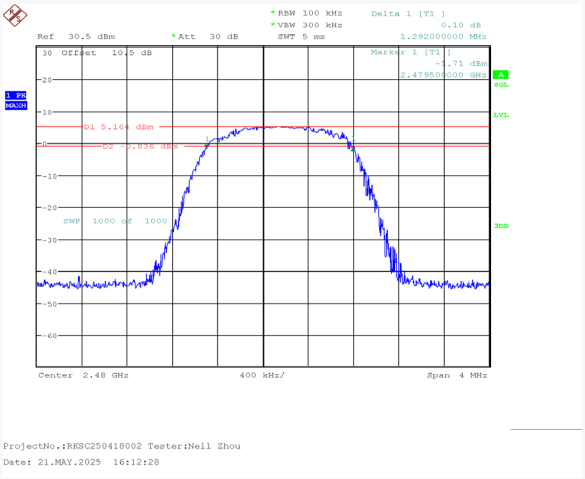
Low Channel



Middle Channel



High Channel



MAXIMUM CONDUCTED OUTPUT POWER

Environmental Conditions & Test Information

Test Date:	2025-05-21
Temperature:	25.5 ℃
Relative Humidity:	52 %
ATM Pressure:	101.3kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test Result: Compliant.

EUT operation mode: Transmitting

For Wi-Fi Mode:

Channel	Frequency (MHz)	Max Conducted Peak Output Power (dBm)	Peak Output Power Limit (dBm)
802.11b Mode			
Low	2412	19.62	≤30
Middle	2437	19.44	≤30
High	2462	18.68	≤30
802.11g Mode			
Low	2412	19.18	≤30
Middle	2437	19.18	≤30
High	2462	18.95	≤30
802.11n-HT20 Mode			
Low	2412	18.20	≤30
Middle	2437	18.19	≤30
High	2462	18.01	≤30
802.11n-HT40 Mode			
Low	2422	14.76	≤30
Middle	2437	14.69	≤30
High	2452	14.49	≤30

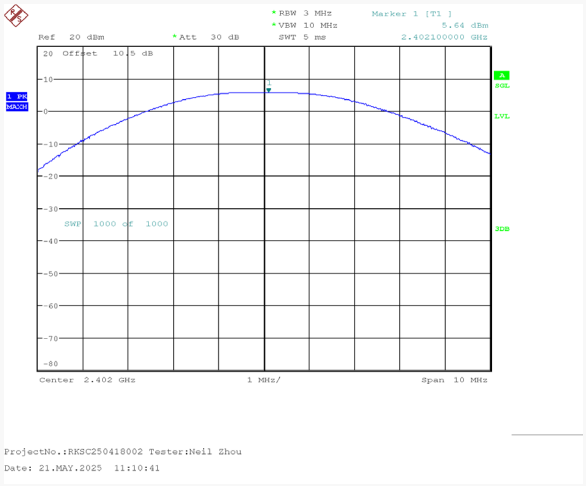
Channel	Frequency (MHz)	Max Conducted Peak Output Power (dBm)	Peak Output Power Limit (dBm)
802.11ax20 Mode			
Low	2412	19.19	≤30
Middle	2437	19.34	≤30
High	2462	19.13	≤30
802.11ax40 Mode			
Low	2422	16.38	≤30
Middle	2437	16.42	≤30
High	2452	16.34	≤30

BLE Mode:

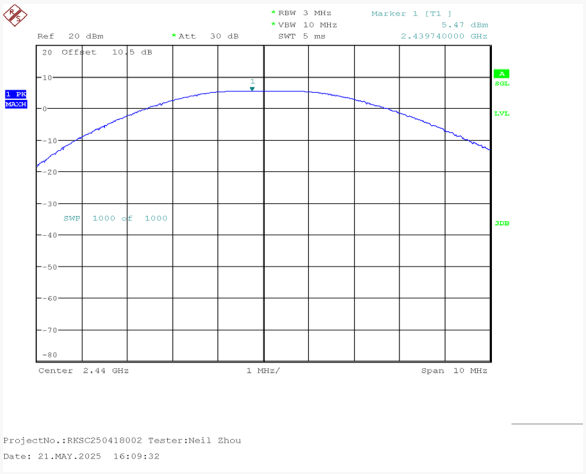
Mode	Channel	Frequency (MHz)	Max Conducted Peak Output Power (dBm)	Limit (dBm)	Result
BLE (1 Mbps)	Low	2402	5.64	≤30	Pass
	Middle	2440	5.47	≤30	Pass
	High	2480	5.45	≤30	Pass

BLE (1 Mbps)

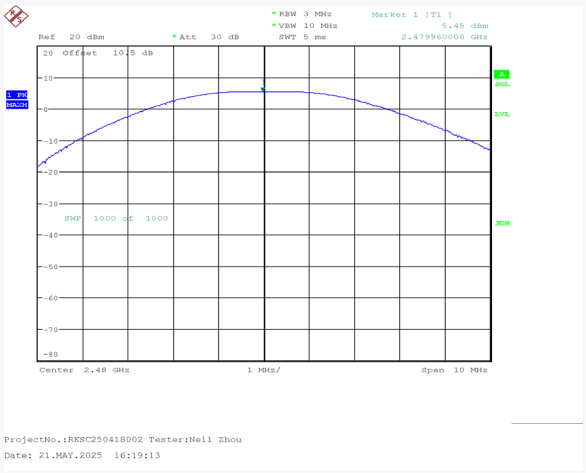
Low Channel



Middle Channel



High Channel



100 KHZ BANDWIDTH OF FREQUENCY BAND EDGE

Environmental Conditions & Test Information

Test Date:	2025-05-20~2025-05-21
Temperature:	24.9-25.5 ℃
Relative Humidity:	50-52 %
ATM Pressure:	100.2-101.3kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

EUT operation mode: Transmitting

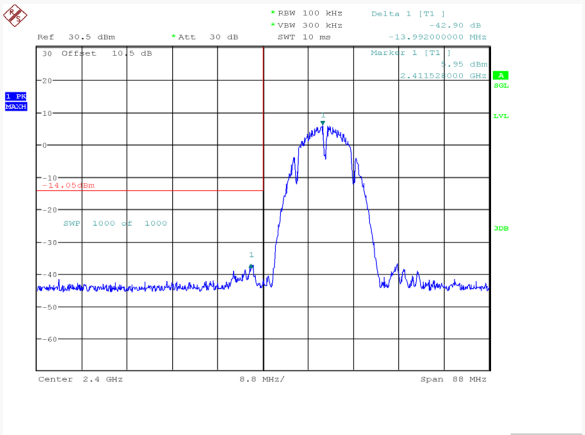
Test Result: Compliant

Mode	Channel	Test Frequency (MHz)	Result (dB)	Limit (dB)
802.11b	Low	2412	42.90	20
	High	2462	46.31	20
802.11g	Low	2412	36.34	20
	High	2462	40.71	20
802.11n20	Low	2412	37.63	20
	High	2462	39.98	20
802.11n40	Low	2422	33.98	20
	High	2452	34.24	20
802.11ax20_RU_Full	Low	2412	38.29	20
	High	2462	41.76	20
802.11ax40_RU_Full	Low	2422	34.35	20
	High	2452	33.91	20

Mode	Channel	Frequency (MHz)	Result (dB)	Limit (dB)
BLE (1 Mbps)	Low	2402	49.23	20
	High	2480	48.86	

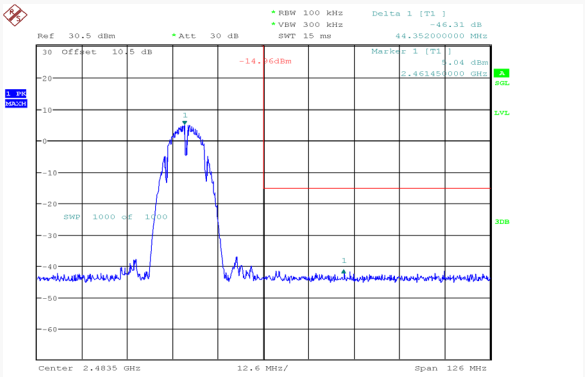
For Wi-Fi Mode:

802.11b Mode Left Side



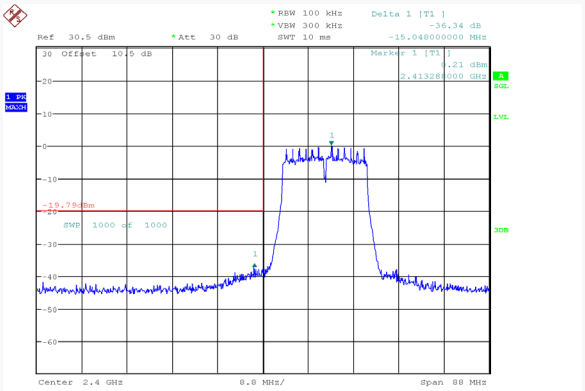
ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 20.MAY.2025 17:57:40

802.11b Mode Right Side



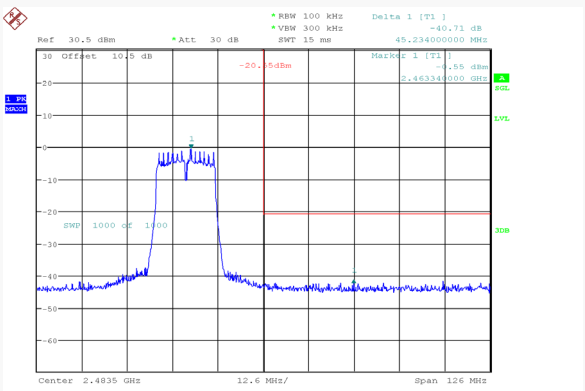
ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 20.MAY.2025 18:22:06

802.11g Mode Left Side



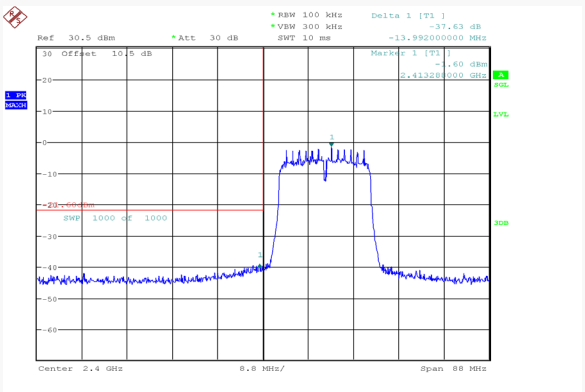
ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 20.MAY.2025 18:33:55

802.11g Mode Right Side



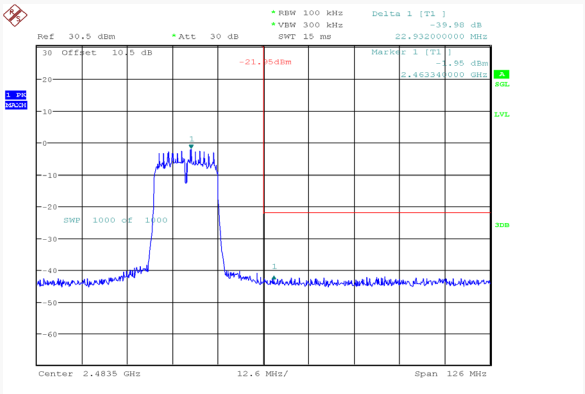
ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 20.MAY.2025 19:02:02

802.11n-HT20 Mode Left Side



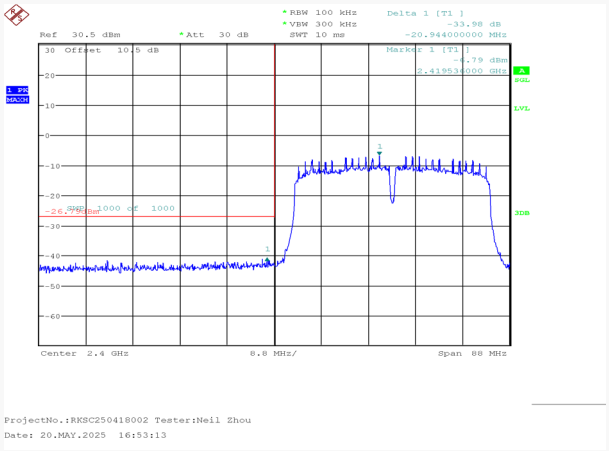
ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 20.MAY.2025 16:10:04

802.11n-HT20 Mode Right Side



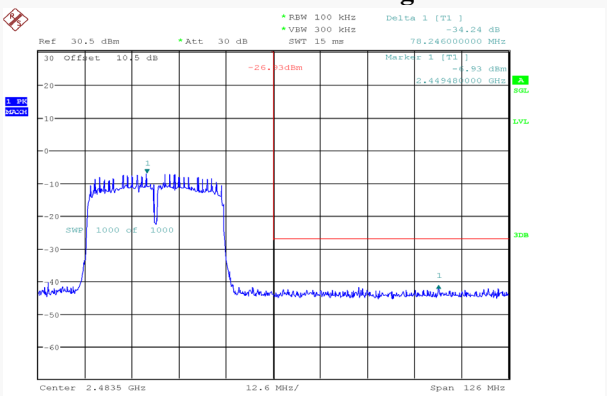
ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 20.MAY.2025 16:37:43

802.11n-HT40 Mode Left Side



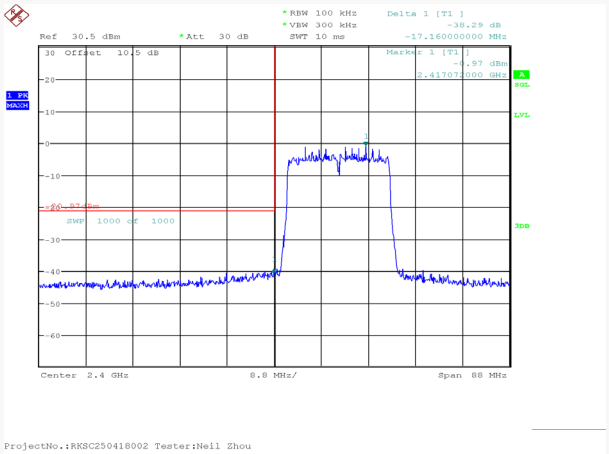
ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 20.MAY.2025 16:53:13

802.11n-HT40 Mode Right Side



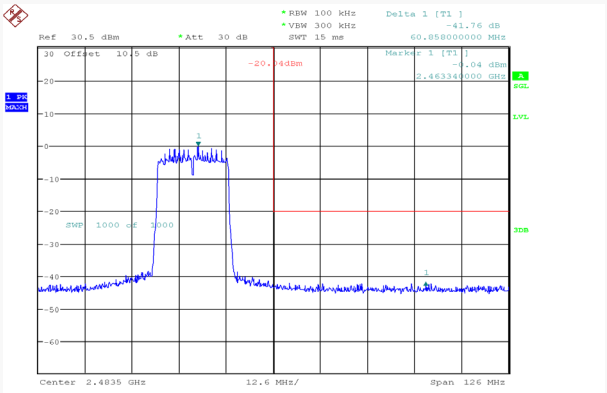
ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 20.MAY.2025 17:33:52

802.11ax20 Mode Left Side



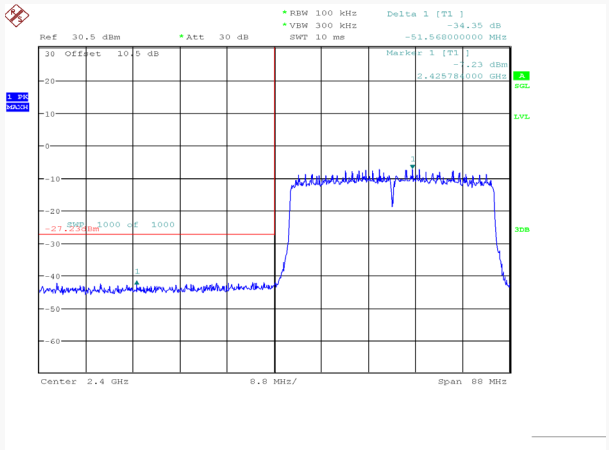
ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 20.MAY.2025 19:47:06

802.11ax20 Mode Right Side



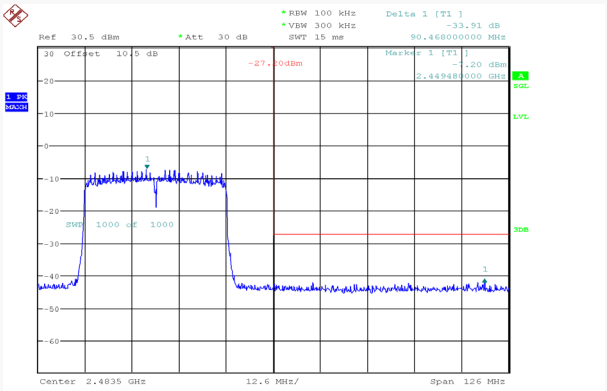
ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 21.MAY.2025 13:52:44

802.11ax40 Mode Left Side



ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 21.MAY.2025 14:07:25

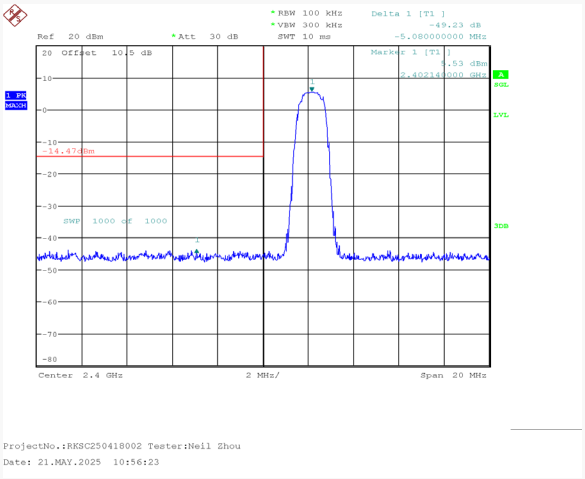
802.11ax40 Mode Right Side



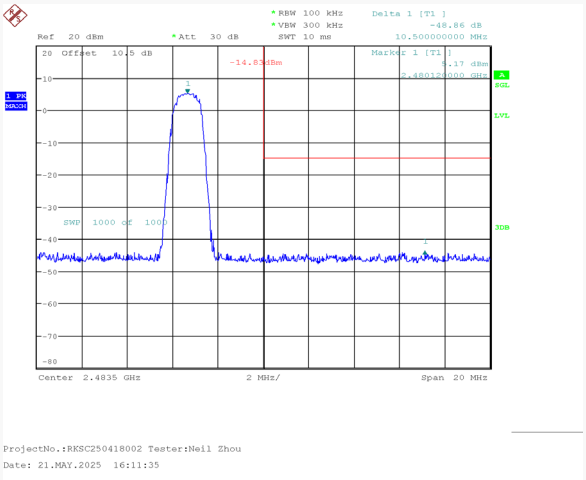
ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 21.MAY.2025 14:49:53

For BLE Mode:
BLE (1 Mbps)

Left Side



Right Side



POWER SPECTRAL DENSITY

Environmental Conditions & Test Information

Test Date:	2025-05-20~2025-05-21
Temperature:	24.9-25.5 ℃
Relative Humidity:	50-52 %
ATM Pressure:	100.2-101.3kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test Result: Compliant.

EUT operation mode: Transmitting

For Wi-Fi Mode:

Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
802.11b Mode				
Low	2412	-8.59	≤8	Pass
Middle	2437	-8.85	≤8	Pass
High	2462	-9.42	≤8	Pass
802.11g Mode				
Low	2412	-14.45	≤8	Pass
Middle	2437	-14.56	≤8	Pass
High	2462	-16.13	≤8	Pass
802.11n-HT20 Mode				
Low	2412	-14.84	≤8	Pass
Middle	2437	-15.39	≤8	Pass
High	2462	-15.47	≤8	Pass
802.11n-HT40 Mode				
Low	2422	-19.26	≤8	Pass
Middle	2437	-19.26	≤8	Pass
High	2452	-19.71	≤8	Pass

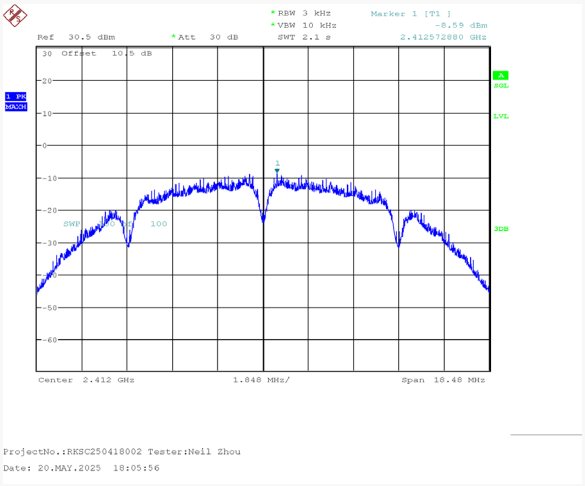
Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
802.11ax20 Mode				
Low	2412	-15.58	≤8	Pass
Middle	2437	-16.65	≤8	Pass
High	2462	-15.34	≤8	Pass
802.11ax40 Mode				
Low	2422	-20.20	≤8	Pass
Middle	2437	-20.05	≤8	Pass
High	2452	-20.69	≤8	Pass

For BLE Mode:

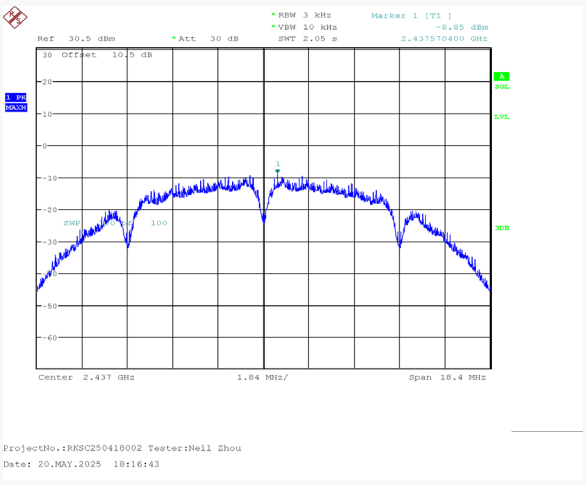
Mode	Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE (1 Mbps)	Low	2402	-4.49	≤8	Pass
	Middle	2440	-4.51	≤8	Pass
	High	2480	-4.75	≤8	Pass

For Wi-Fi Mode:

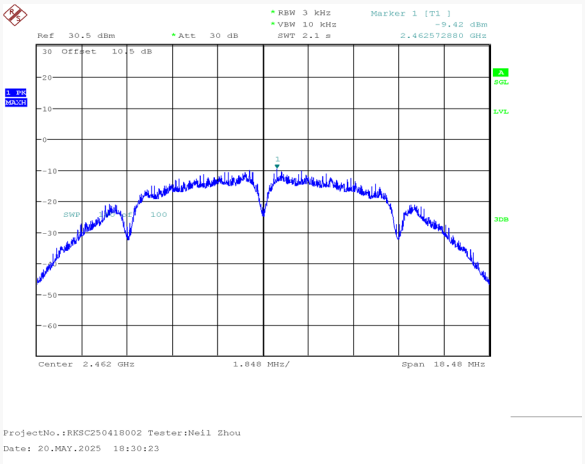
802.11b Low Channel



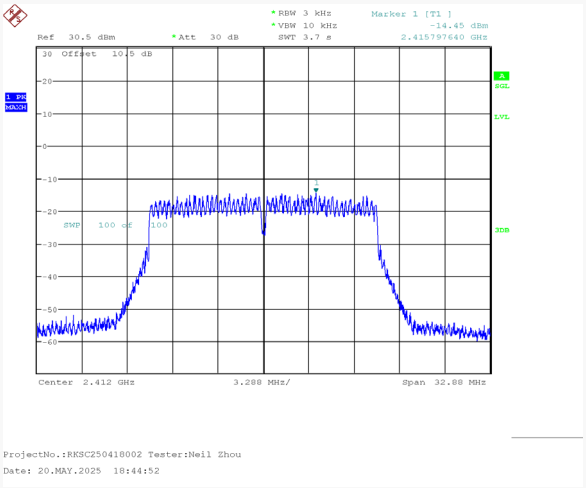
802.11b Middle Channel



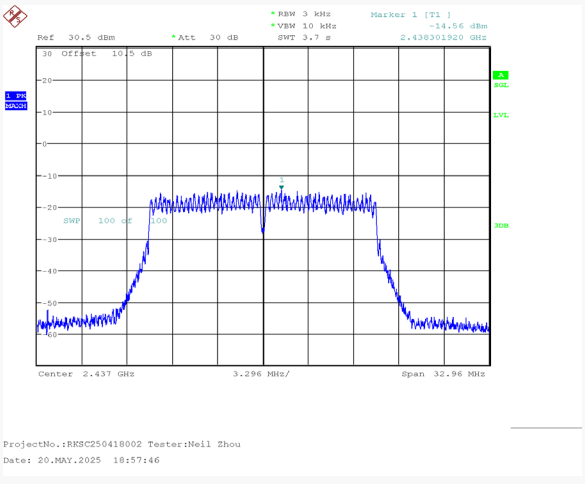
802.11b High Channel



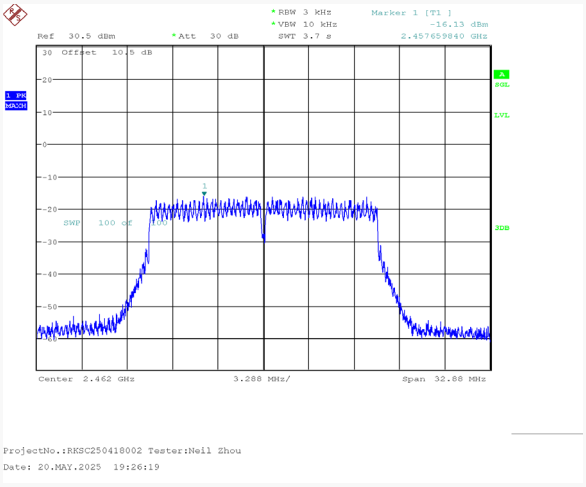
802.11g Low Channel



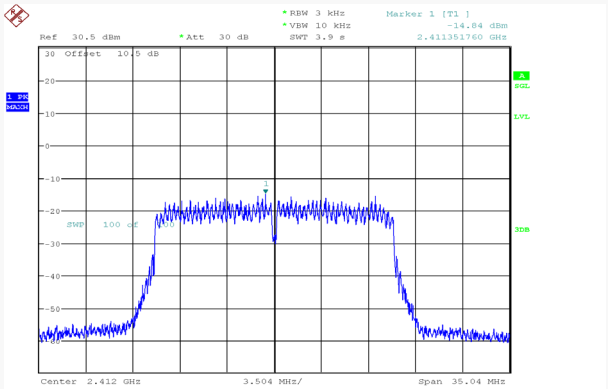
802.11g Middle Channel



802.11g High Channel

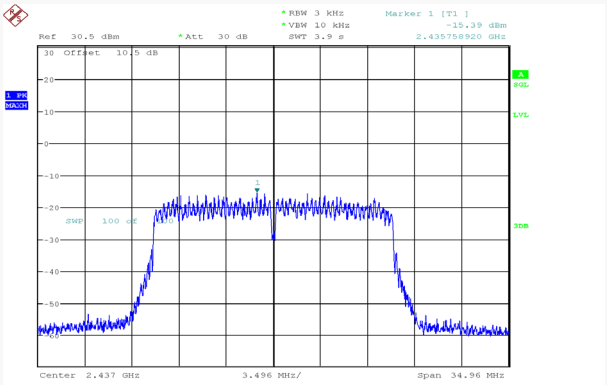


802.11n-HT20 Low Channel



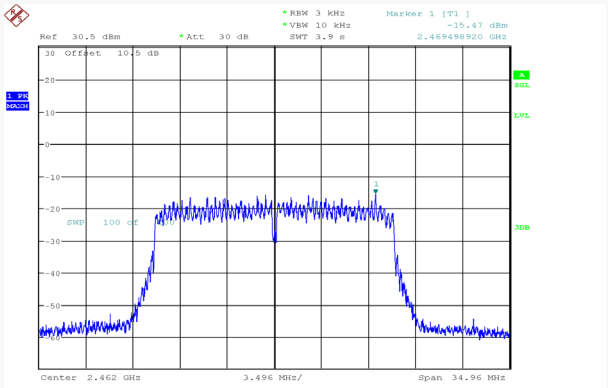
ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 20.MAY.2025 16:21:19

802.11n-HT20 Middle Channel



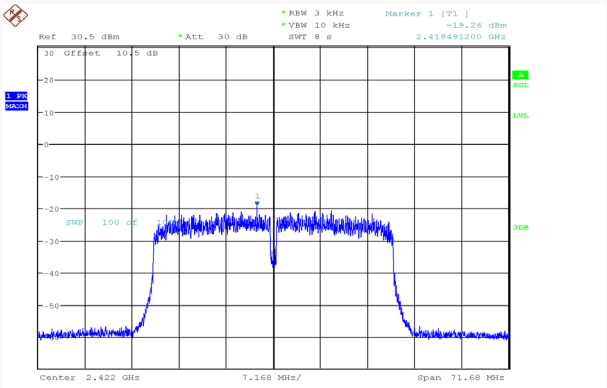
ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 20.MAY.2025 16:34:24

802.11n-HT20 High Channel



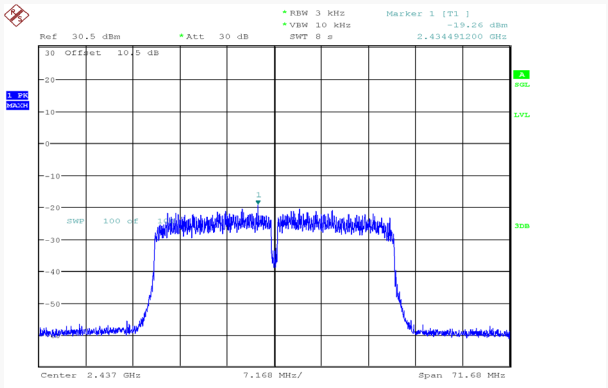
ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 20.MAY.2025 16:49:02

802.11n-HT40 Low Channel



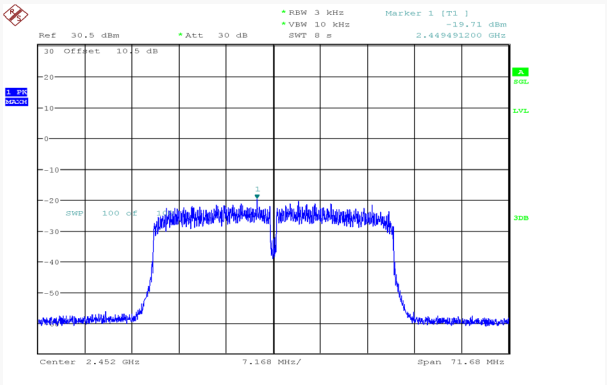
ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 20.MAY.2025 17:11:20

802.11n-HT40 Middle Channel



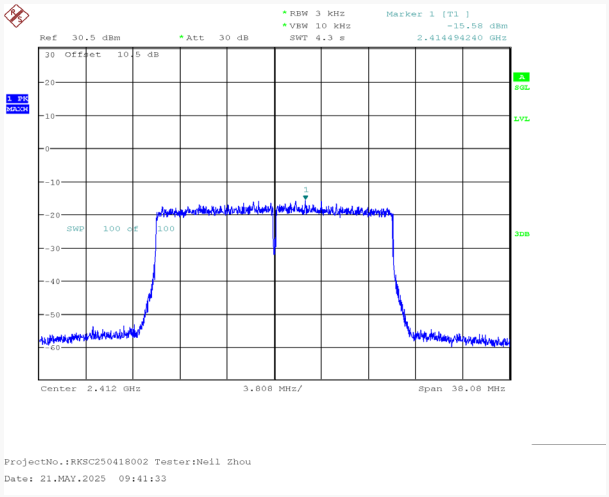
ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 20.MAY.2025 17:31:28

802.11n-HT40 High Channel

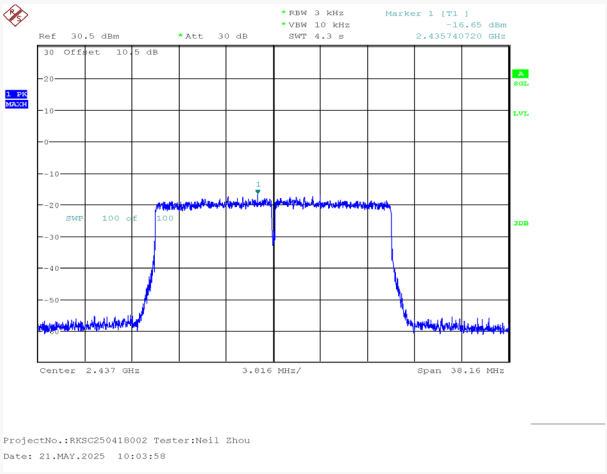


ProjectNo.:RKSC250418002 Tester:Neil Zhou
Date: 20.MAY.2025 17:52:01

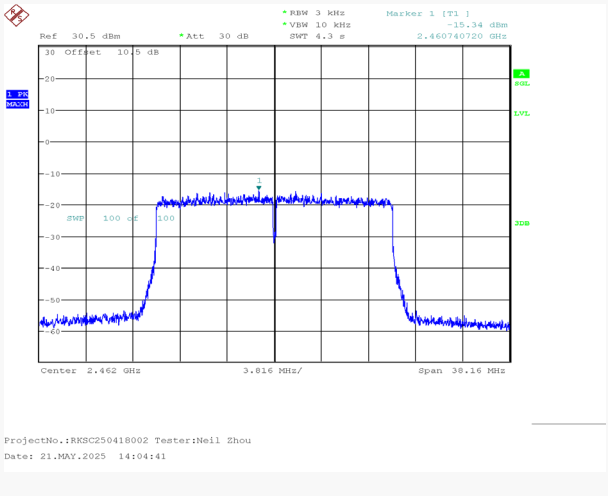
802.11ax20 Low Channel



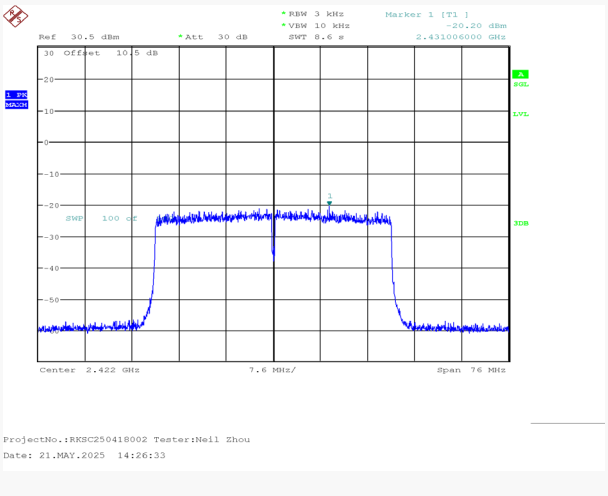
802.11ax20 Middle Channel



802.11ax20 High Channel



802.11ax40 Low Channel



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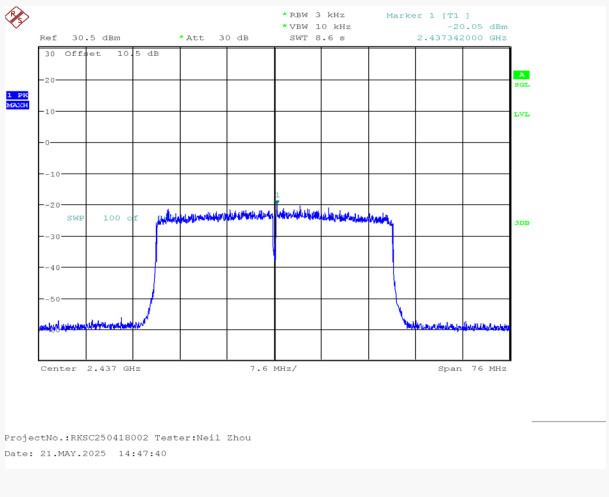
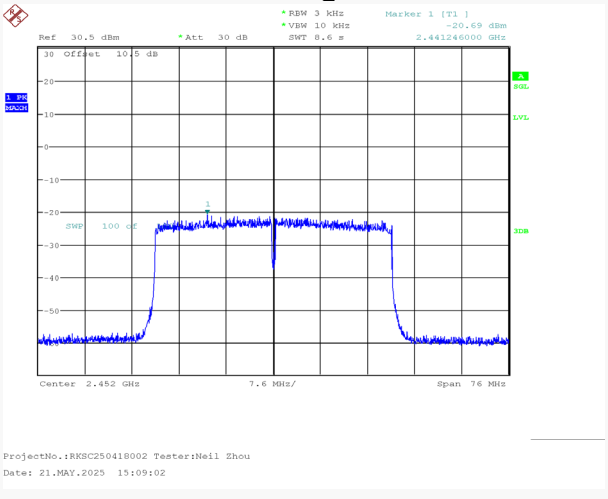
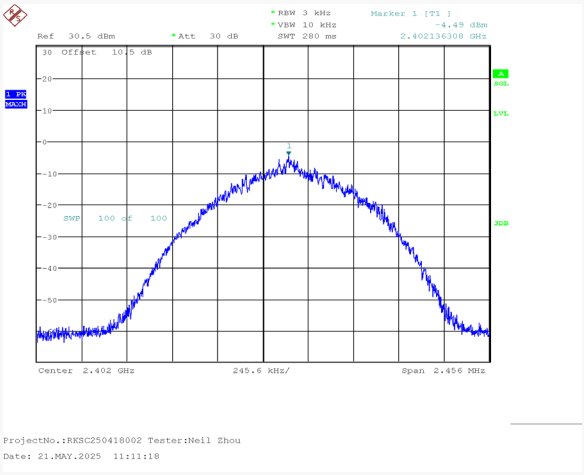


802.11ax40 High Channel

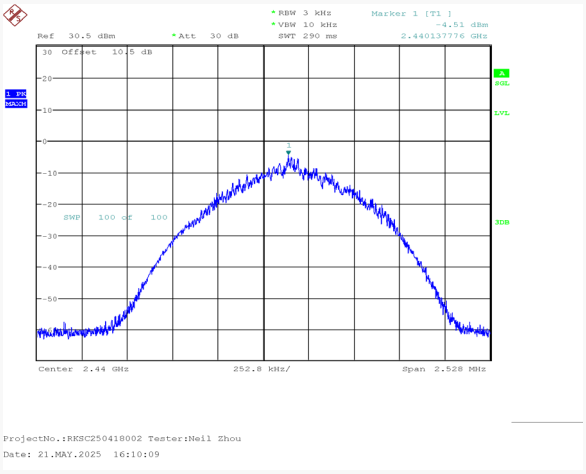


For BLE Mode:
BLE (1 Mbps)

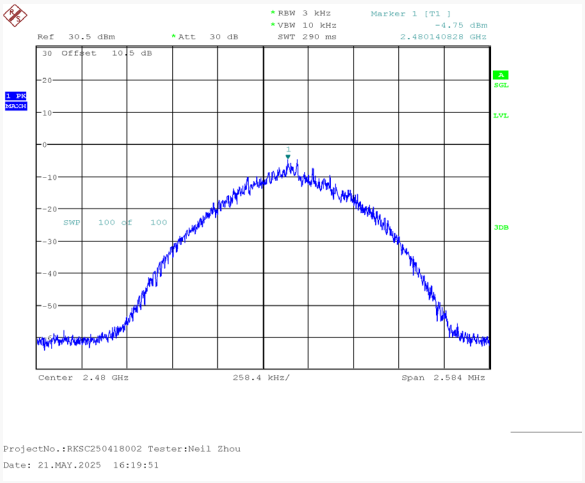
Low Channel



Middle Channel



High Channel



EUT PHOTOGRAPHS

Please refer to the attachment EXHIBIT A - EUT EXTERNAL PHOTOGRAPHS and EXHIBIT B - EUT INTERNAL PHOTOGRAPHS.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment EXHIBIT C - TEST SETUP PHOTOGRAPHS.

Declarations

1. The laboratory is not responsible for the authenticity of any information provided by the applicant. Information from the applicant that may affect test results is marked with "★".

2. The test data was only valid for the test sample(s).

3. This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.

4. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

5. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor k=2 with the 95.45% confidence interval.

******* END OF REPORT *******