

Middle Channel: 2440MHz

Common Information

Project No:RKSA240325003

EUT Model:B2

Test Mode:BLE 2M

Standard:FCC Part 15.205 & FCC Part 15.209 &FCC Part 15.247

Test Equipment:ESCI, JB3, 310N

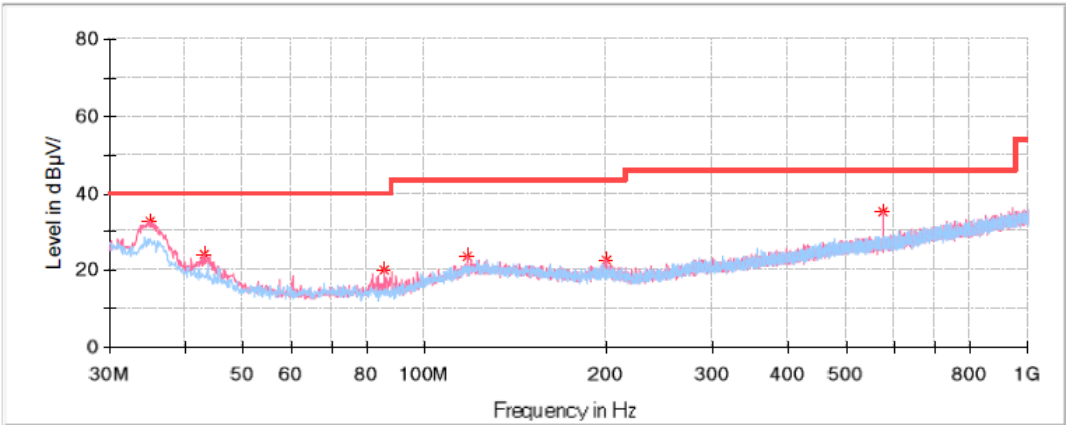
Temperature:23.4℃

Humidity:52%

Barometric Pressure:100.9kPa

Test Engineer:Grace Luo

Test Date:2024/7/17

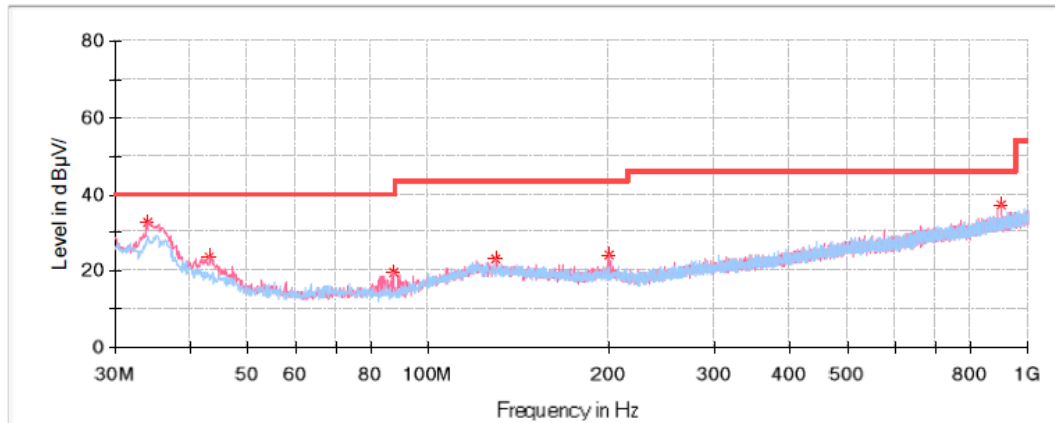


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Pol	Corr. (dB/m)
35.092500	32.83	40.00	7.17	V	-8.2
42.973750	23.98	40.00	16.02	V	-13.0
85.653750	19.99	40.00	20.01	V	-17.1
117.542500	23.84	43.50	19.66	V	-11.3
200.235000	22.74	43.50	20.76	V	-12.2
575.988750	35.05	46.00	10.95	V	-4.5

High Channel: 2480MHz**Common Information**

Project No: RKSA240325003
EUT Model: B2
Test Mode: BLE 2M
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.247
Test Equipment: ESCI, JB3, 310N
Temperature: 23.4°C
Humidity: 52%
Barometric Pressure: 100.9kPa
Test Engineer: Grace Luo
Test Date: 2024/7/17

**Critical_Freqs**

Frequency (MHz)	MaxPeak (dBμ V/m)	Limit (dBμ V/m)	Margin (dB)	Pol	Corr. (dB/m)
34.122500	32.60	40.00	7.40	V	-7.5
43.216250	23.60	40.00	16.40	V	-13.2
87.230000	19.78	40.00	20.22	V	-17.0
129.061250	23.25	43.50	20.25	V	-11.1
200.113750	24.30	43.50	19.20	V	-12.2
899.847500	37.04	46.00	8.96	V	1.0

1GHz-18GHz:

Low Channel: 2402MHz

Common Information

Project No.:

RKSA240325003

Test Mode:

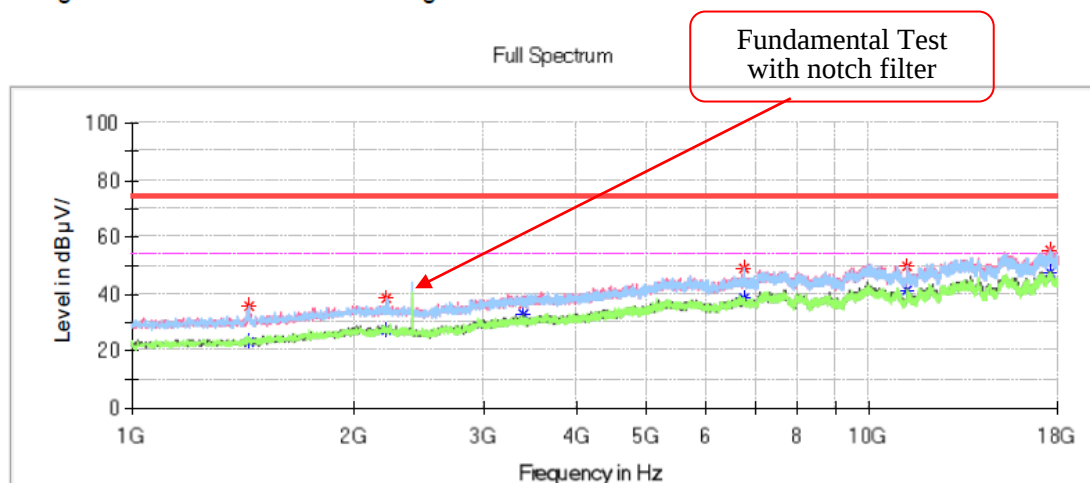
BLE 2M mode of low channel

Standard:

FCC Part 15.205& FCC Part 15.209& FCC Part 15.247

Test Engineer:

Hugh Wu

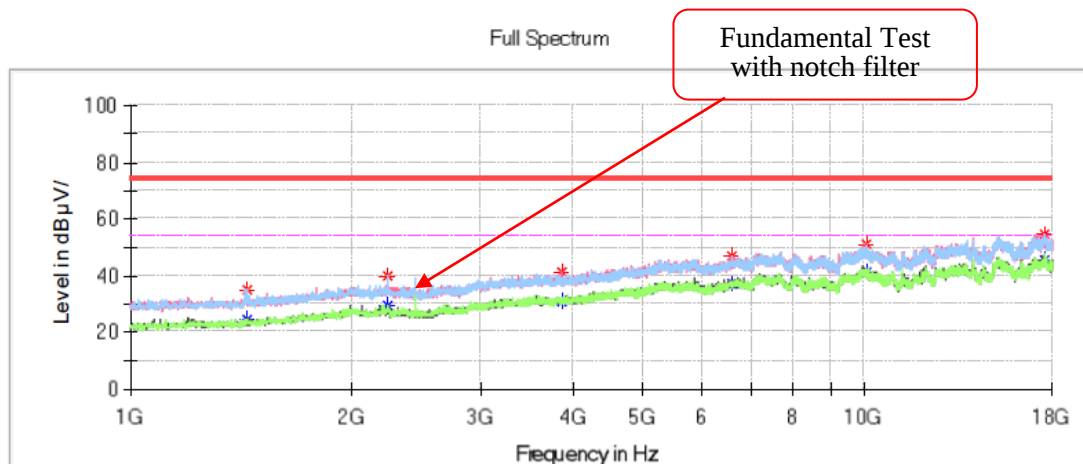


Critical_Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1440.300000	---	23.33	54.00	30.67	H	-14.1
1440.300000	35.38	---	74.00	38.62	H	-14.1
2217.200000	---	27.44	54.00	26.56	H	-10.2
2217.200000	38.45	---	74.00	35.55	H	-10.2
3385.100000	---	32.74	54.00	21.26	V	-6.5
3385.100000	36.53	---	74.00	37.47	V	-6.5
6737.500000	---	38.27	54.00	15.73	H	2.2
6737.500000	48.61	---	74.00	25.39	H	2.2
11208.500000	---	41.43	54.00	12.57	V	6.7
11208.500000	49.96	---	74.00	24.04	V	6.7
17598.800000	---	47.37	54.00	6.63	H	13.2
17598.800000	55.43	---	74.00	18.57	H	13.2

Middle Channel: 2440MHz**Common Information**

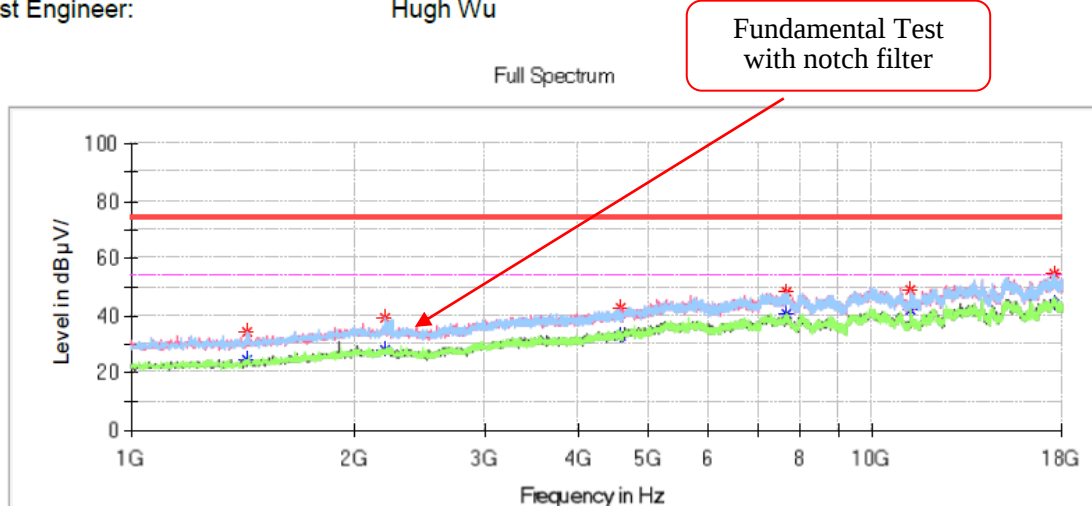
Project No.: RKSA240325003
Test Mode: BLE 2M mode of middle channel
Standard: FCC Part 15.205& FCC Part 15.209& FCC Part 15.247
Test Engineer: Hugh Wu

**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)
1443.700000	---	24.82	54.00	29.18	H	-14.1
1443.700000	35.20	---	74.00	38.80	H	-14.1
2239.300000	---	29.25	54.00	24.75	H	-10.2
2239.300000	39.84	---	74.00	34.16	H	-10.2
3864.500000	---	30.90	54.00	23.10	V	-5.3
3864.500000	41.07	---	74.00	32.93	V	-5.3
6577.700000	---	37.02	54.00	16.98	H	1.3
6577.700000	46.77	---	74.00	27.23	H	1.3
10040.600000	---	41.50	54.00	12.50	V	7.8
10040.600000	51.07	---	74.00	22.93	V	7.8
17512.100000	---	45.18	54.00	8.82	H	13.6
17512.100000	54.41	---	74.00	19.59	H	13.6

High Channel: 2480MHz**Common Information**

Project No.: RKSA240325003
 Test Mode: BLE 2M mode of high channel
 Standard: FCC Part 15.205& FCC Part 15.209& FCC Part 15.247
 Test Engineer: Hugh Wu

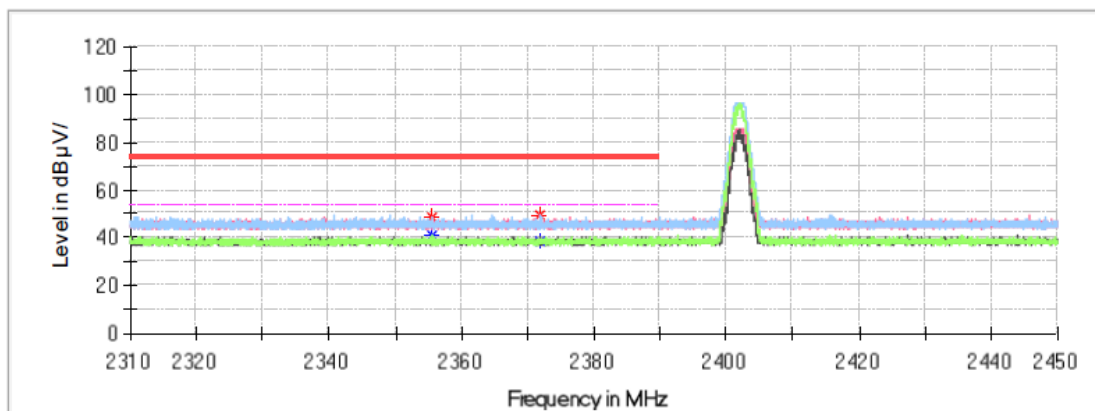
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1436.900000	34.49	---	74.00	39.51	H	-14.1
1436.900000	---	24.60	54.00	29.40	H	-14.1
2201.900000	39.42	---	74.00	34.58	H	-10.2
2201.900000	---	28.25	54.00	25.75	H	-10.2
4566.600000	42.92	---	74.00	31.08	V	-3.5
4566.600000	---	32.91	54.00	21.09	V	-3.5
7638.500000	48.15	---	74.00	25.85	V	4.1
7638.500000	---	40.66	54.00	13.34	V	4.1
11201.700000	49.20	---	74.00	24.80	V	6.7
11201.700000	---	42.02	54.00	11.98	V	6.7
17549.500000	---	44.36	54.00	9.64	H	13.4
17549.500000	54.53	---	74.00	19.47	H	13.4

Band Edge:**Low Channel****Common Information**

Project No.: RKSA240325003
Test Mode: BLE 2M mode of low channel
Standard: FCC Part 15.205& FCC Part 15.209& FCC Part 15.247
Test Engineer: Hugh Wu

Full Spectrum

**Critical_Freqs**

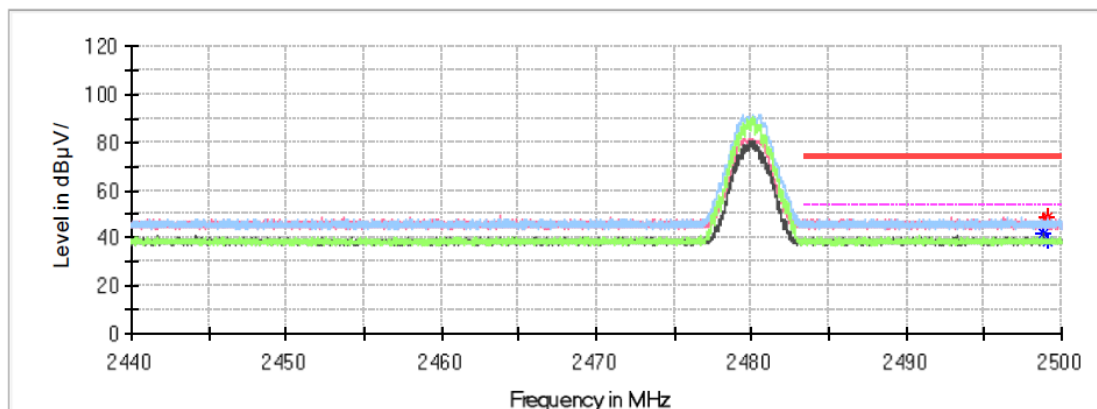
Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2355.556000	---	41.18	54.00	12.82	H	0.0
2355.556000	48.53	---	74.00	25.47	H	0.0
2371.726000	---	38.22	54.00	15.78	H	0.0
2371.726000	49.48	---	74.00	24.52	H	0.0

High Channel

Common Information

Project No.: RKSA240325003
Test Mode: BLE 2M mode of high channel
Standard: FCC Part 15.205& FCC Part 15.209& FCC Part 15.247
Test Engineer: Hugh Wu

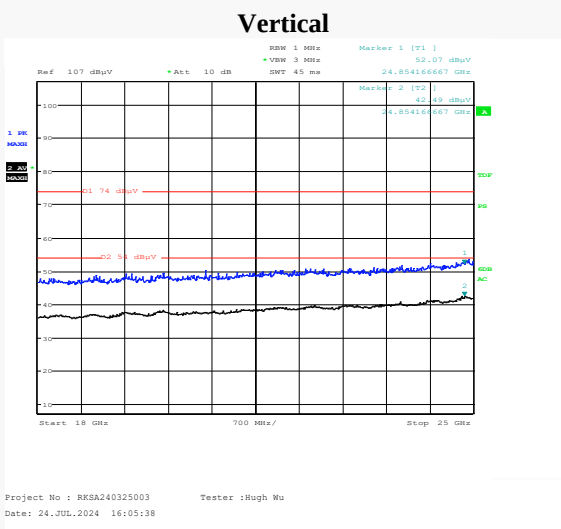
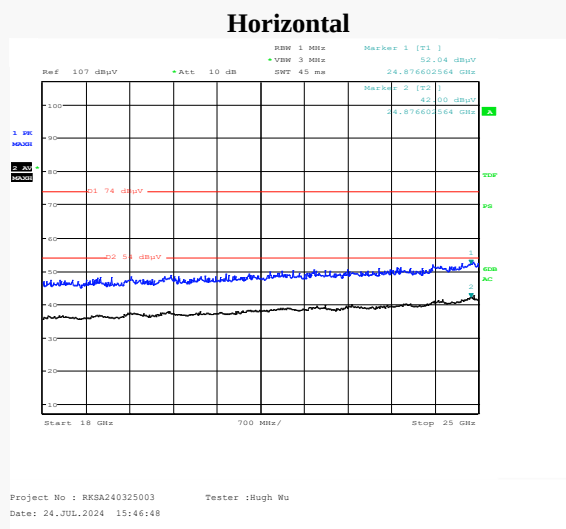
Full Spectrum



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)
2498.878000	---	41.88	54.00	12.12	V	0.2
2498.878000	46.63	---	74.00	27.37	V	0.2
2499.070000	---	38.56	54.00	15.44	V	0.2
2499.070000	48.68	---	74.00	25.32	V	0.2

18GHz-25GHz: BLE (2Mbps) Low channel worst



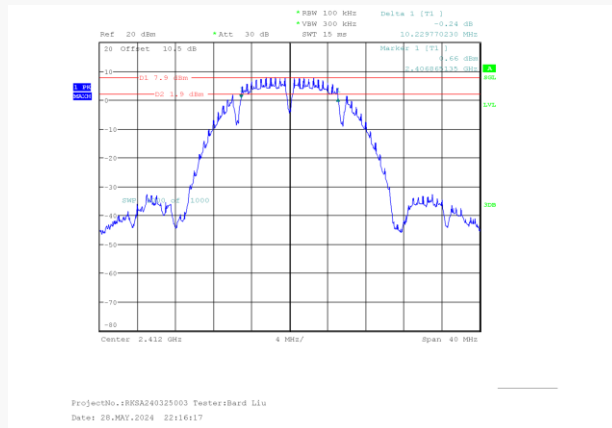
Note: The test distance is 3m. The limit is 74dBμV/m(Peak) and 54dBμV/m(Average).

6 DB EMISSION BANDWIDTH*EUT operation mode: Transmitting***Test Result:** Pass

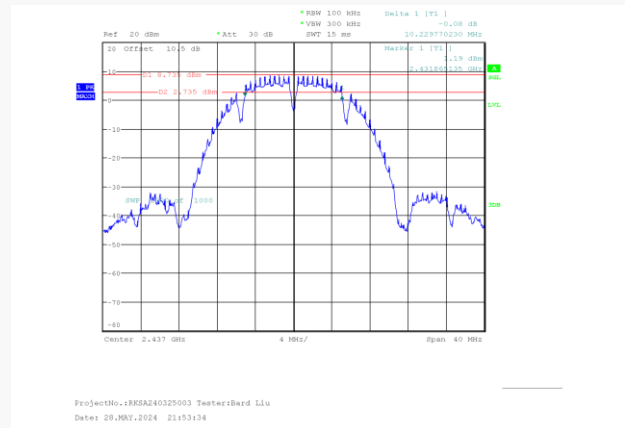
Test Mode	Channel (MHz)	DTS Bandwidth (MHz)		Limit (MHz)	Verdict
		Chain 0	Chain 1		
802.11b	2412	10.230	12.148	0.5	PASS
	2437	10.230	10.230	0.5	PASS
	2462	10.230	10.230	0.5	PASS
802.11g	2412	15.185	16.424	0.5	PASS
	2437	16.424	16.424	0.5	PASS
	2462	16.424	16.424	0.5	PASS
802.11n20	2412	15.160	15.160	0.5	PASS
	2437	17.200	17.480	0.5	PASS
	2462	17.240	17.480	0.5	PASS
802.11ax-HE20	2412	19.021	19.061	0.5	PASS
	2437	19.061	19.061	0.5	PASS
	2462	19.021	19.061	0.5	PASS
802.11n40	2422	35.200	35.200	0.5	PASS
	2437	36.480	36.640	0.5	PASS
	2452	36.560	36.560	0.5	PASS
802.11ax-HE40	2422	35.245	35.245	0.5	PASS
	2437	38.202	38.202	0.5	PASS
	2452	38.202	38.202	0.5	PASS

Chain 0:

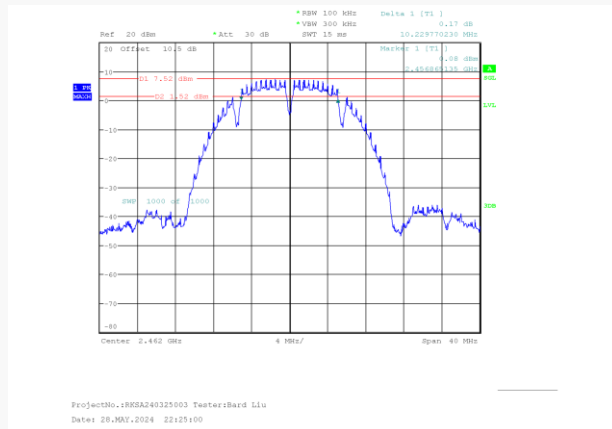
802.11b Mode Low Channel



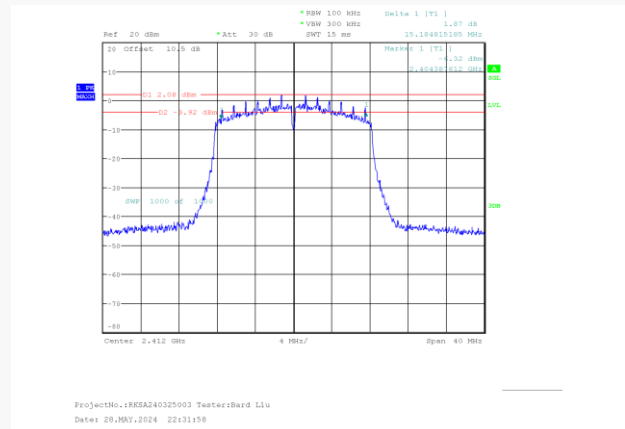
802.11b Mode Middle Channel



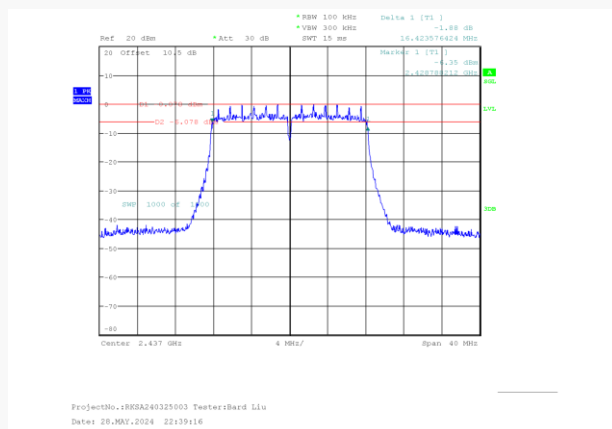
802.11b Mode High Channel



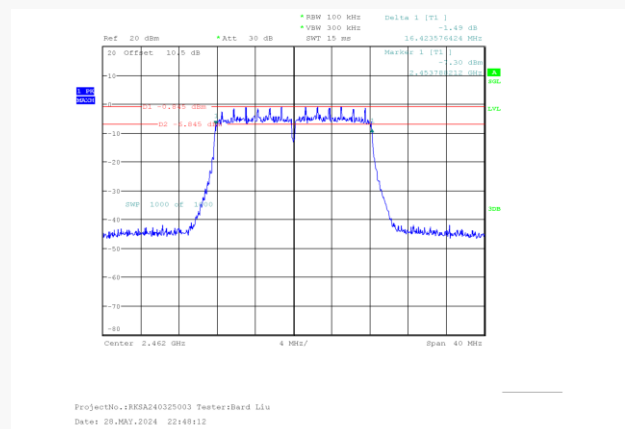
802.11g Mode Low Channel



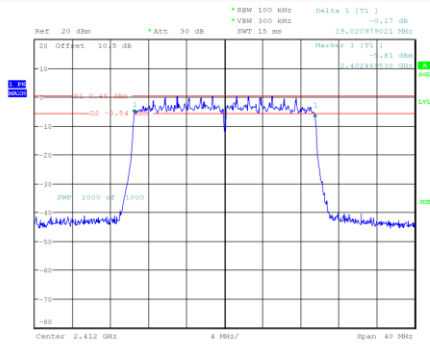
802.11g Mode Middle Channel



802.11g Mode High Channel

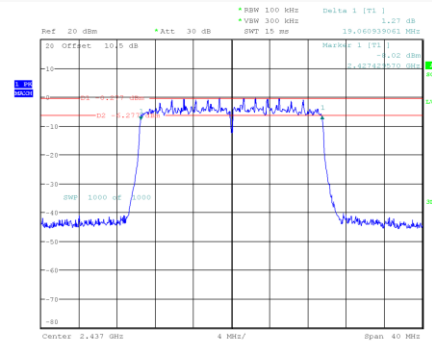


802.11ax20 Mode Low Channel



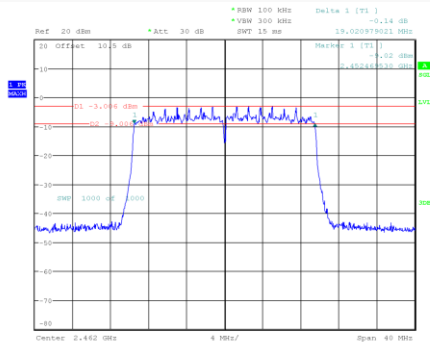
ProjectNo.:RKSA240325003 Testers:Bard Liu
Date: 28.NOV.2024 22:56:51

802.11ax20 Mode Middle Channel



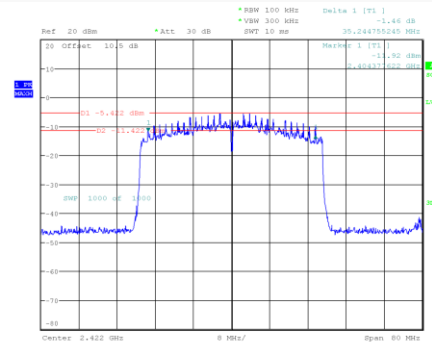
ProjectNo.:RKSA240325003 Testers:Bard Liu
Date: 28.NOV.2024 23:10:27

802.11ax20 Mode High Channel



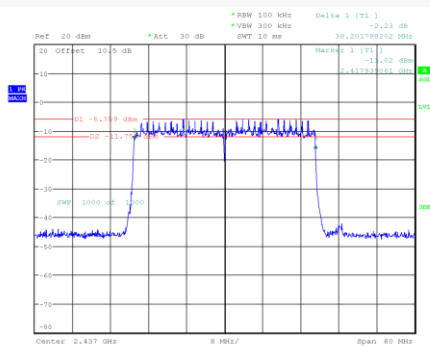
ProjectNo.:RKSA240325003 Testers:Bard Liu
Date: 28.NOV.2024 23:21:51

802.11ax40 Mode Low Channel



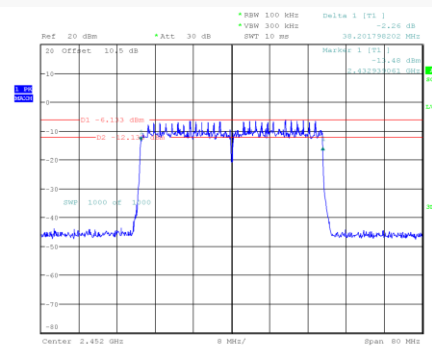
ProjectNo.:RKSA240325003 Testers:Bard Liu
Date: 28.NOV.2024 23:31:27

802.11ax40 Mode Middle Channel



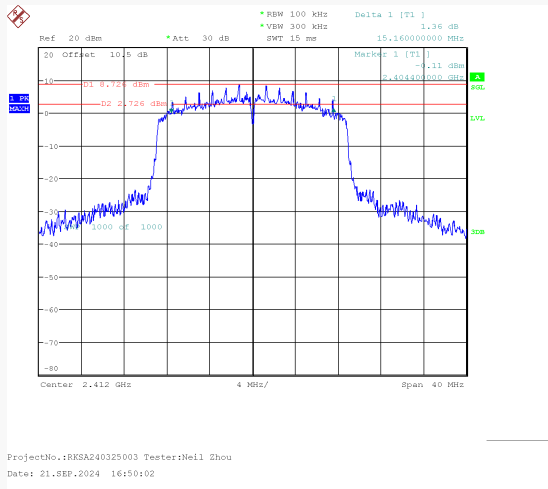
ProjectNo.:RKSA240325003 Testers:Bard Liu
Date: 28.NOV.2024 23:45:19

802.11ax40 Mode High Channel

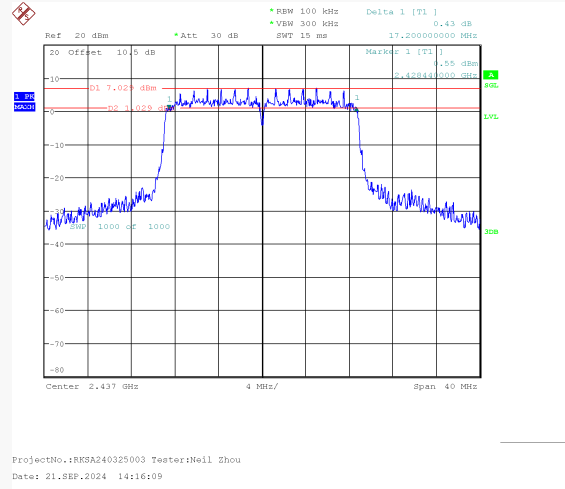


ProjectNo.:RKSA240325003 Testers:Bard Liu
Date: 28.NOV.2024 23:59:43

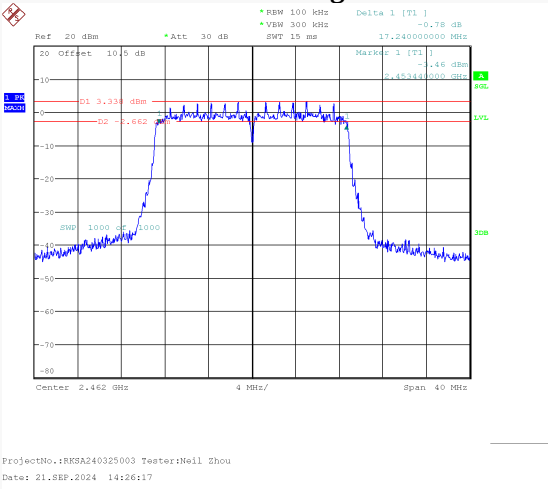
802.11n20 Mode Low Channel



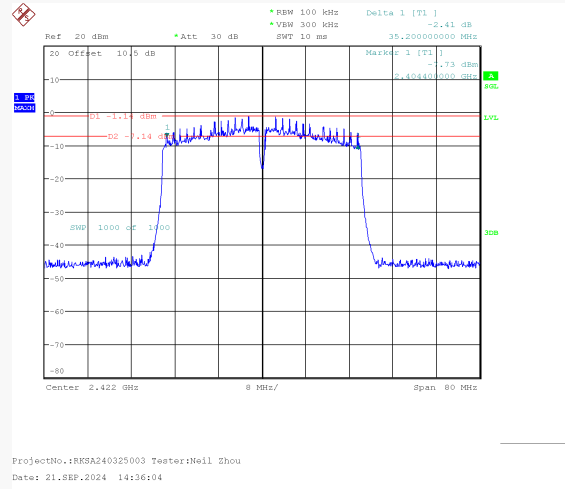
802.11n20 Mode Middle Channel



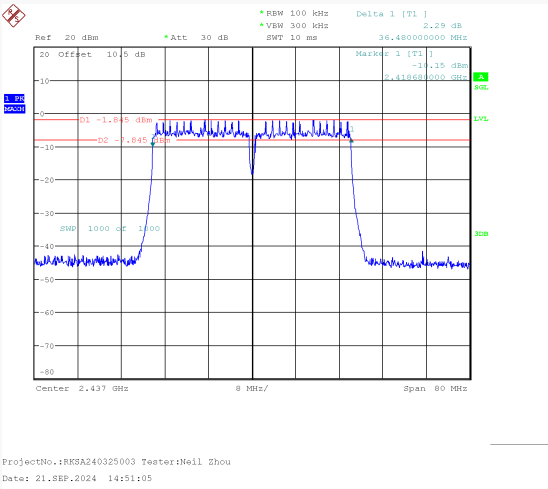
802.11n20 Mode High Channel



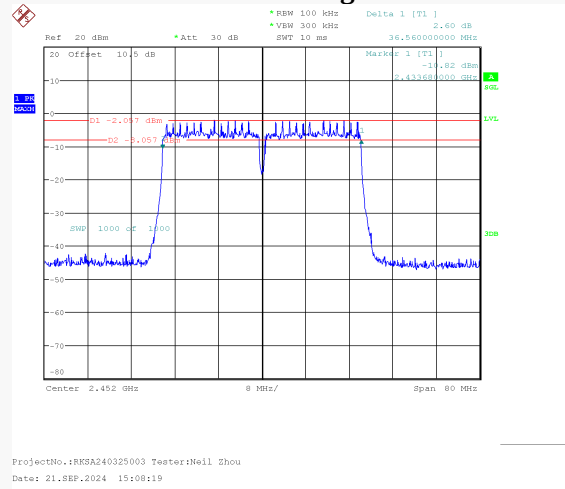
802.11n40 Mode Low Channel



802.11n40 Mode Middle Channel

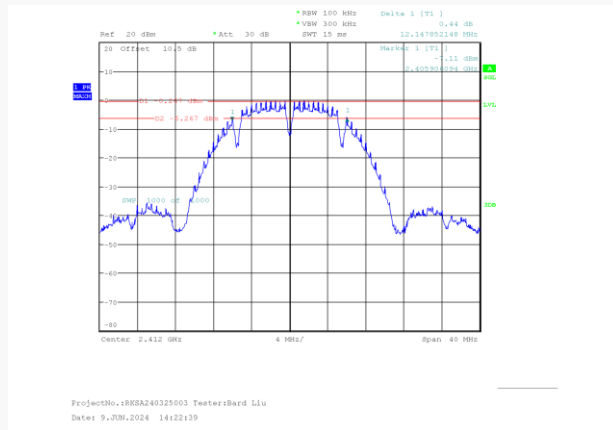


802.11n40 Mode High Channel

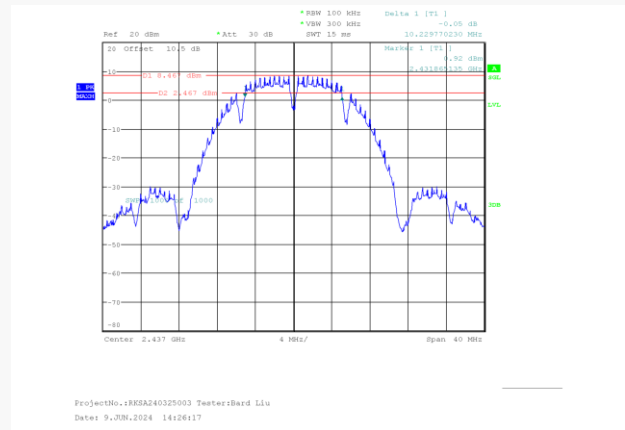


Chain 1:

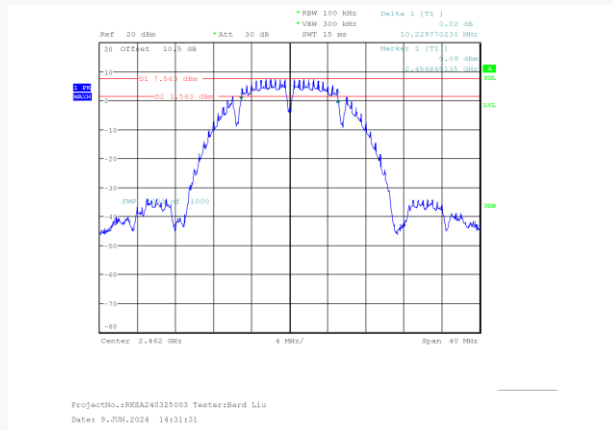
802.11b Mode Low Channel



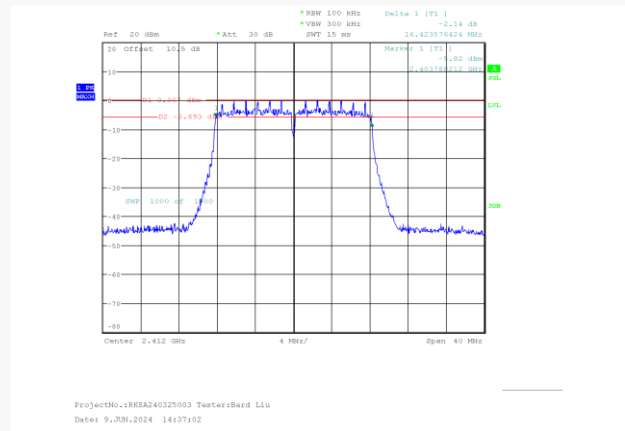
802.11b Mode Middle Channel



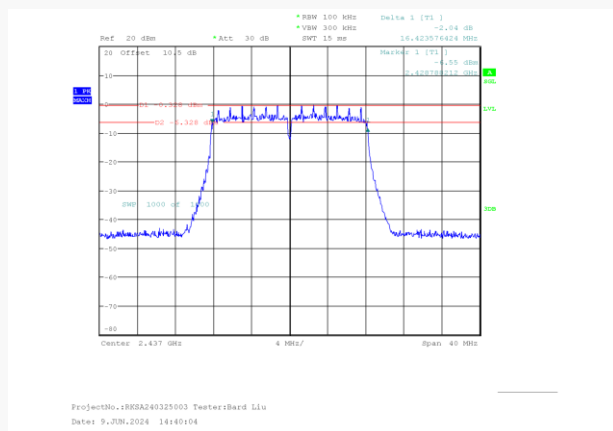
802.11b Mode High Channel



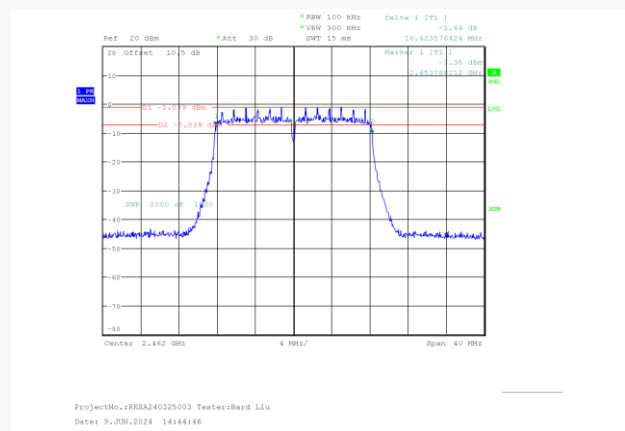
802.11g Mode Low Channel



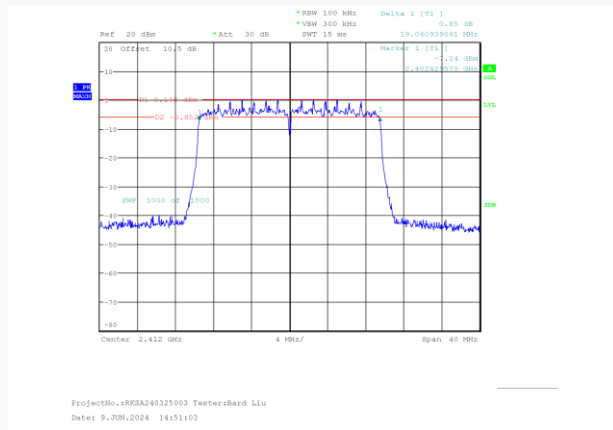
802.11g Mode Middle Channel



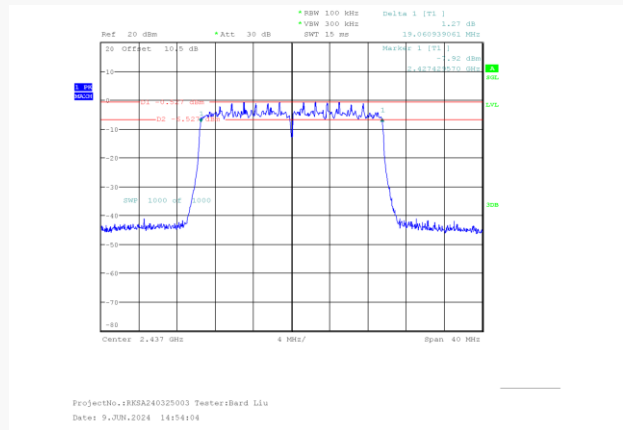
802.11g Mode High Channel



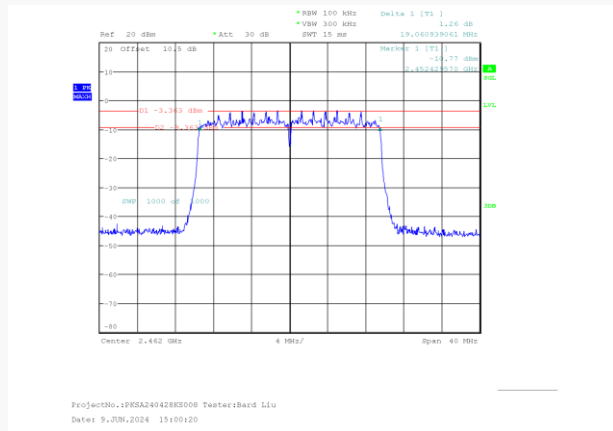
802.11ax20 Mode Low Channel



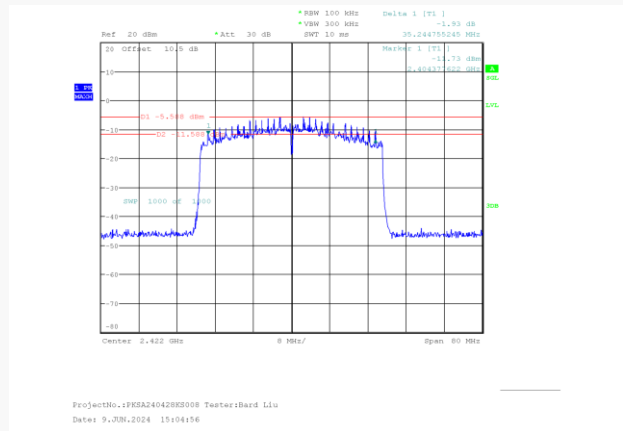
802.11ax20 Mode Middle Channel



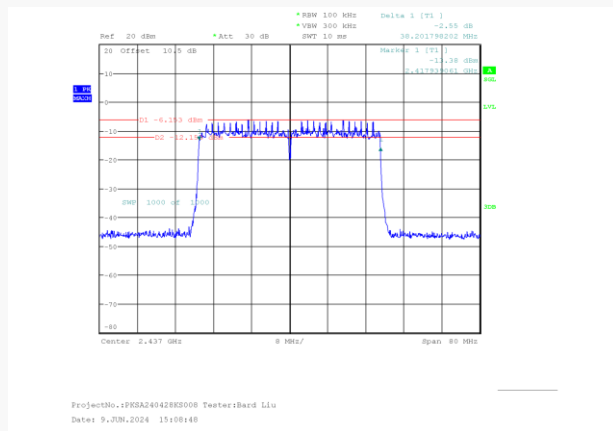
802.11ax20 Mode High Channel



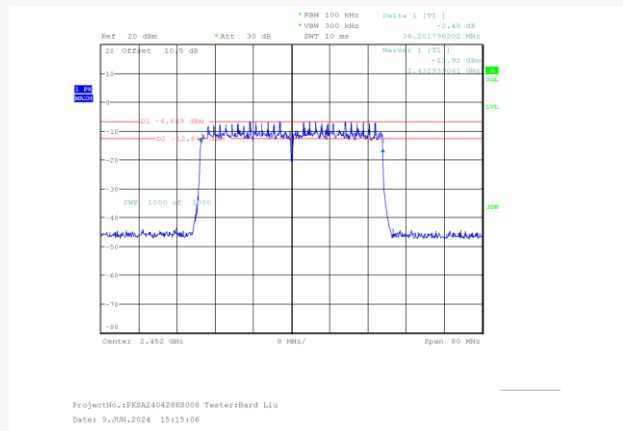
802.11ax40 Mode Low Channel



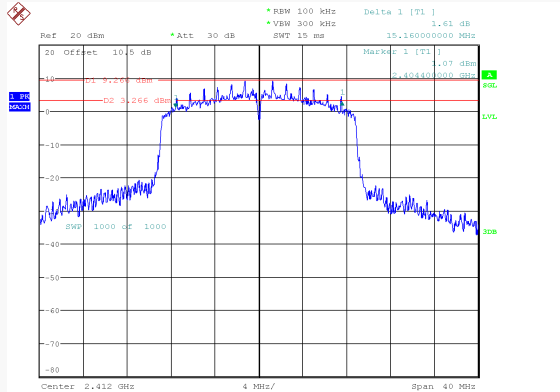
802.11ax40 Mode Middle Channel



802.11ax40 Mode High Channel

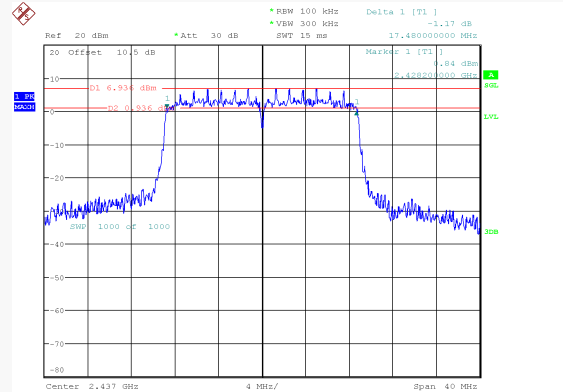


802.11n20 Mode Low Channel



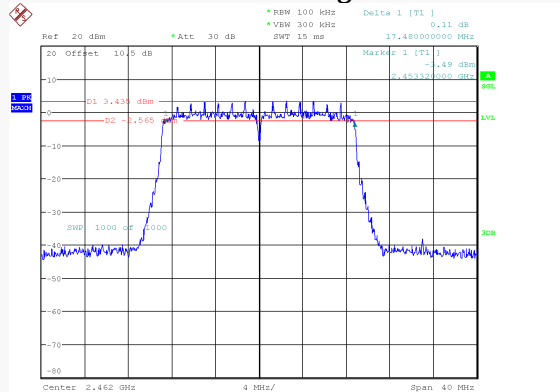
ProjectNo.:RKSA240325003 Tester:Neil Zhou
Date: 21.SEP.2024 15:26:16

802.11n20 Mode Middle Channel



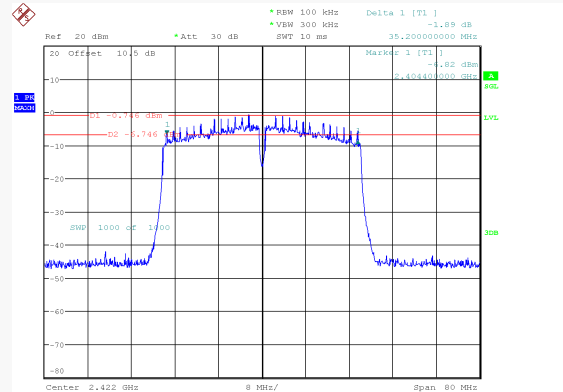
ProjectNo.:RKSA240325003 Tester:Neil Zhou
Date: 21.SEP.2024 15:37:18

802.11n20 Mode High Channel



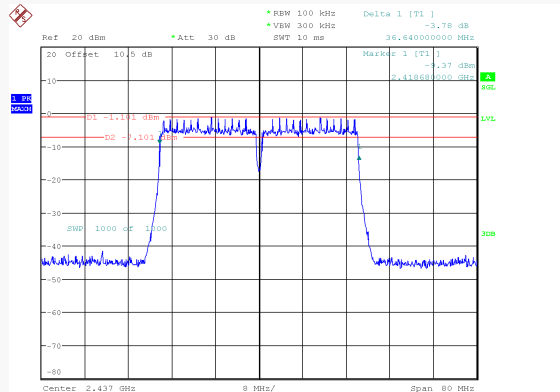
ProjectNo.:RKSA240325003 Tester:Neil Zhou
Date: 21.SEP.2024 15:48:02

802.11n40 Mode Low Channel



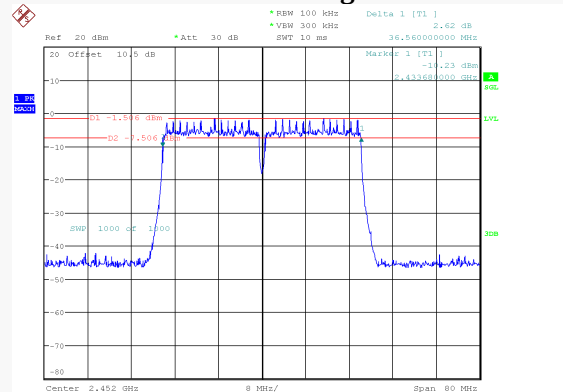
ProjectNo.:RKSA240325003 Tester:Neil Zhou
Date: 21.SEP.2024 15:58:43

802.11n40 Mode Middle Channel



ProjectNo.:RKSA240325003 Tester:Neil Zhou
Date: 21.SEP.2024 16:16:59

802.11n40 Mode High Channel

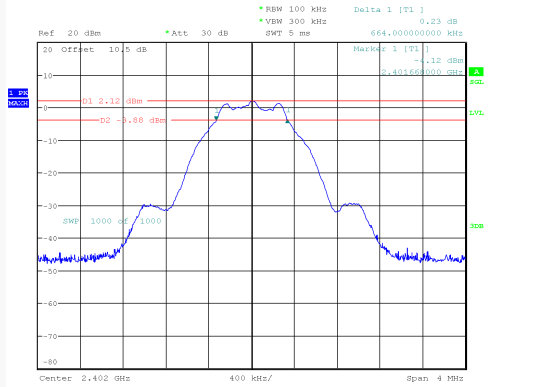


ProjectNo.:RKSA240325003 Tester:Neil Zhou
Date: 21.SEP.2024 16:31:33

For BLE Mode:

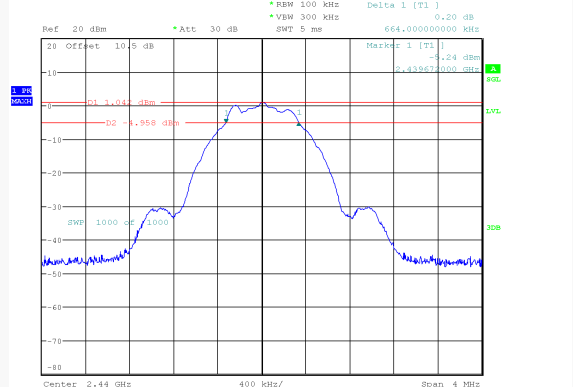
Mode	Channel	Frequency (MHz)	6 dB Emission Bandwidth (MHz)	Limit (MHz)
BLE (1Mbps)	Low	2402	0.664	≥ 0.5
	Middle	2440	0.664	≥ 0.5
	High	2480	0.660	≥ 0.5
BLE (2Mbps)	Low	2402	1.088	≥ 0.5
	Middle	2440	1.132	≥ 0.5
	High	2480	0.964	≥ 0.5

BLE (1 Mbps) Low Channel



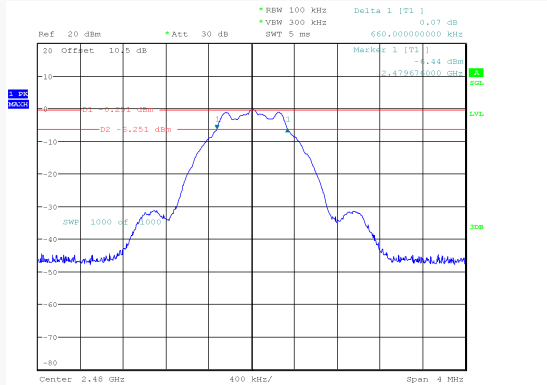
ProjectNo.:RKSA240325003 Tester:Bard Liu
Date: 22.JUL.2024 13:41:27

BLE (1 Mbps) Middle Channel



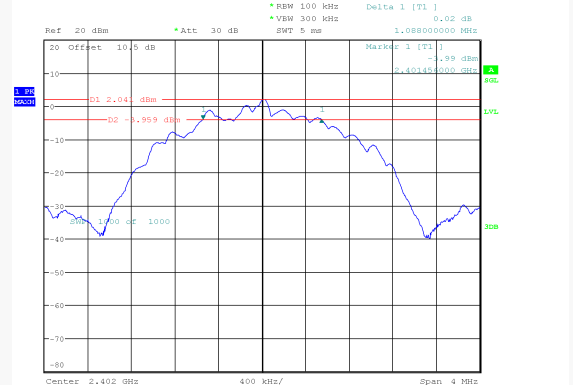
ProjectNo.:RKSA240325003 Tester:Bard Liu
Date: 22.JUL.2024 13:49:49

BLE (1 Mbps) High Channel



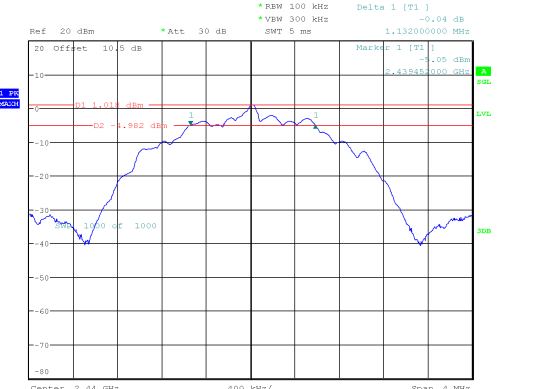
ProjectNo.:RKSA240325003 Tester:Bard Liu
Date: 22.JUL.2024 13:54:41

BLE (2 Mbps) Low Channel



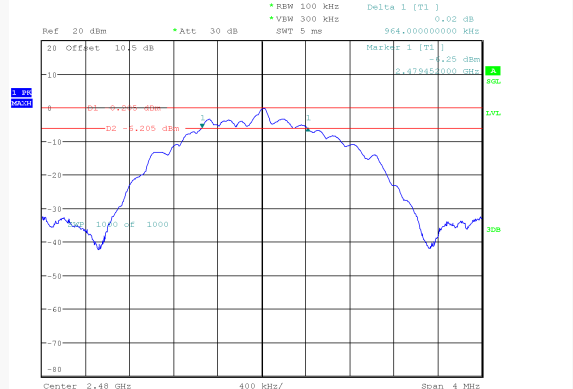
ProjectNo.:RKSA240325003 Tester:Bard Liu
Date: 22.JUL.2024 14:00:14

BLE (2 Mbps) Middle Channel



ProjectNo.:RKSA240325003 Tester:Bard Liu
Date: 22.JUL.2024 14:09:48

BLE (2 Mbps) High Channel



ProjectNo.:RKSA240325003 Tester:Bard Liu
Date: 22.JUL.2024 14:15:14

MAXIMUM CONDUCTED OUTPUT POWER*EUT operation mode: Transmitting*

Test Mode	Channel (MHz)	Maximum Conducted Peak Output Power (dBm)			Limit (dBm)	Verdict
		Chain 0	Chain 1	Total		
802.11b	2412	24.48	25.57	/	≤30.00	PASS
	2437	25.49	25.59	/	≤30.00	PASS
	2462	25.21	25.44	/	≤30.00	PASS
802.11g	2412	26.16	26.19	/	≤30.00	PASS
	2437	26.14	26.15	/	≤30.00	PASS
	2462	25.87	25.83	/	≤30.00	PASS
802.11n20	2412	26.24	26.30	29.28	≤30.00	PASS
	2437	26.19	26.28	29.25	≤30.00	PASS
	2462	24.44	24.99	27.73	≤30.00	PASS
802.11ax-HE20	2412	26.75	26.56	29.67	≤30.00	PASS
	2437	26.57	26.44	29.52	≤30.00	PASS
	2462	26.49	26.55	29.53	≤30.00	PASS
802.11n40	2422	23.72	24.65	27.22	≤30.00	PASS
	2437	24.90	25.78	28.37	≤30.00	PASS
	2452	24.96	25.79	28.41	≤30.00	PASS
802.11ax-HE40	2422	22.28	22.33	25.32	≤30.00	PASS
	2437	24.19	23.96	27.09	≤30.00	PASS
	2452	23.88	23.92	26.91	≤30.00	PASS

Note:

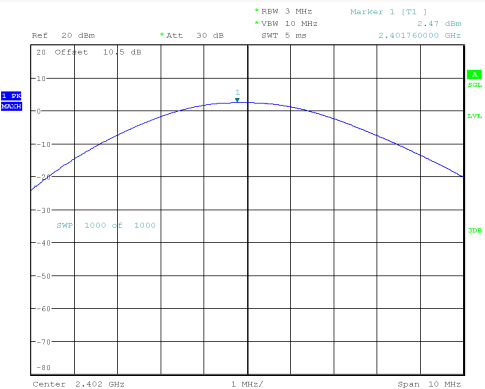
The maximum antenna gain is 2.49 dBi, the device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

So: Directional gain = $G_{ANT} + \text{Array Gain} = 2.49 \text{ dBi} < 6 \text{ dBi}$, no RF outpower limit was reduced.

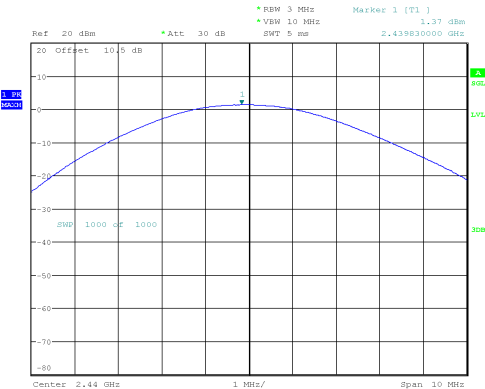
Mode	Channel	Frequency (MHz)	Max Conducted Peak Output Power (dBm)	Peak Output Power Limit (dBm)
BLE (1Mbps)	Low	2402	2.47	≤30
	Middle	2440	1.37	≤30
	High	2480	0.27	≤30
BLE (2Mbps)	Low	2402	2.59	≤30
	Middle	2440	1.53	≤30
	High	2480	0.34	≤30

BLE (1 Mbps) Low Channel



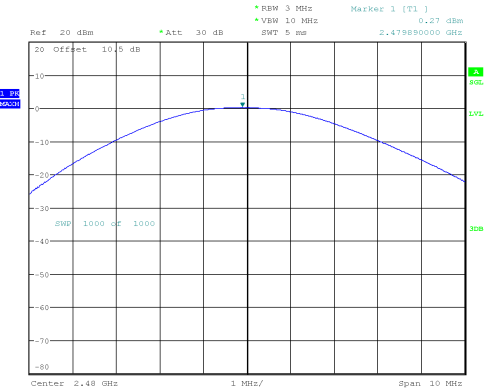
ProjectNo.:RKSA240325003 Tester:Bard Liu
Date: 22.JUL.2024 13:47:10

BLE (1 Mbps) Middle Channel



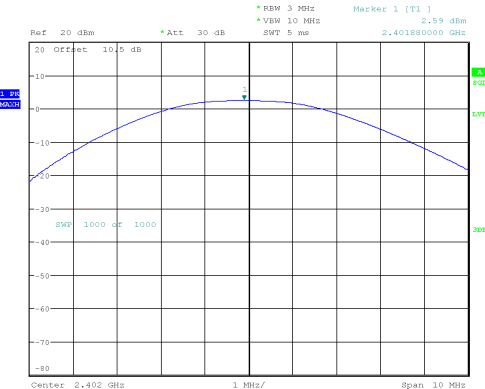
ProjectNo.:RKSA240325003 Tester:Bard Liu
Date: 22.JUL.2024 13:51:58

BLE (1 Mbps) High Channel



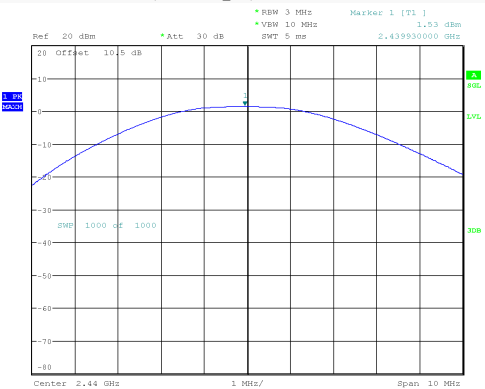
ProjectNo.:RKSA240325003 Tester:Bard Liu
Date: 22.JUL.2024 13:56:55

BLE (2 Mbps) Low Channel



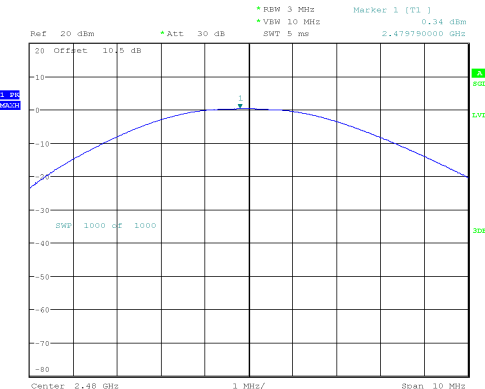
ProjectNo.:RKSA240325003 Tester:Bard Liu
Date: 22.JUL.2024 14:07:18

BLE (2 Mbps) Middle Channel



ProjectNo.:RKSA240325003 Tester:Bard Liu
Date: 22.JUL.2024 14:12:40

BLE (2 Mbps) High Channel



ProjectNo.:RKSA240325003 Tester:Bard Liu
Date: 22.JUL.2024 14:18:11

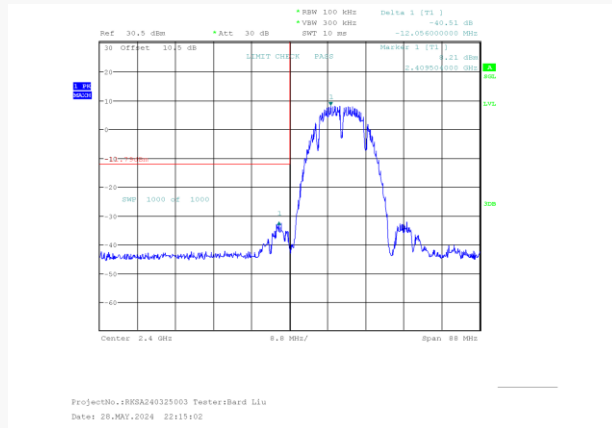
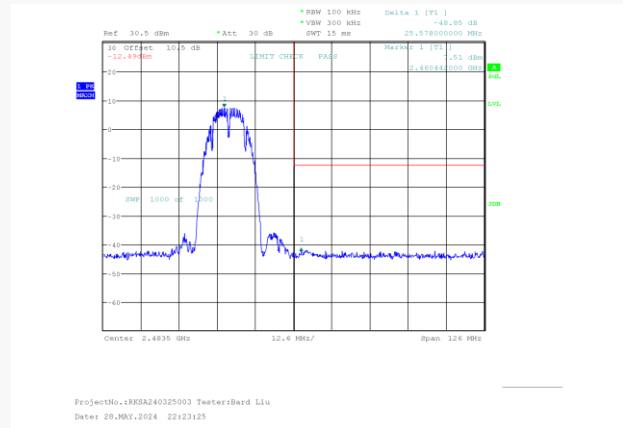
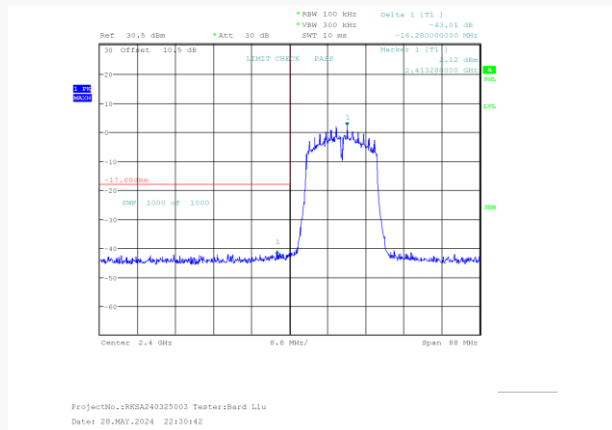
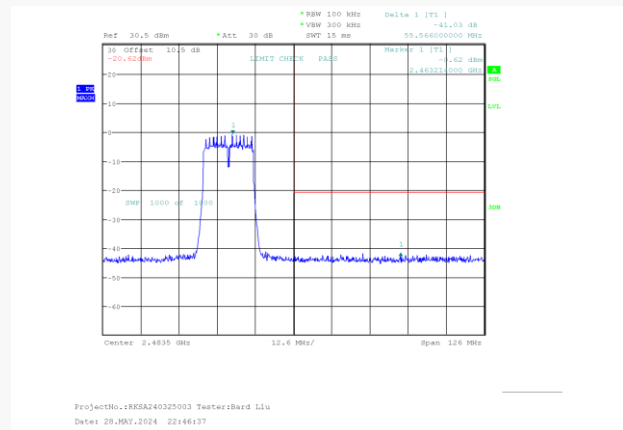
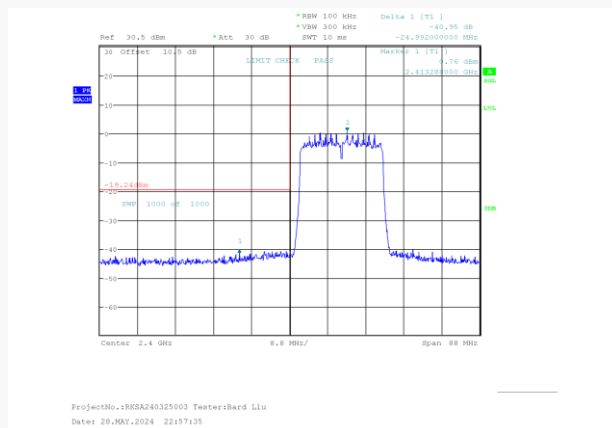
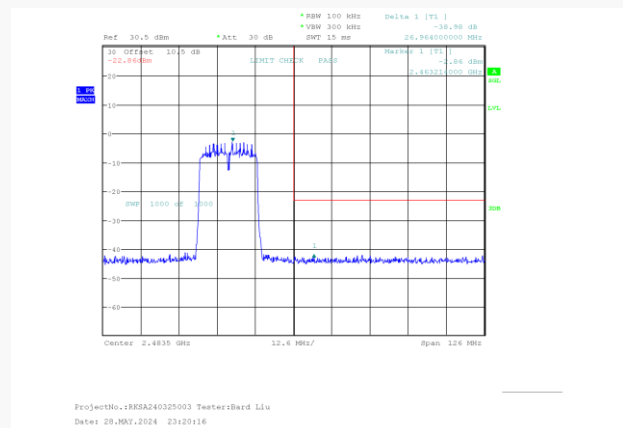
100 KHZ BANDWIDTH OF FREQUENCY BAND EDGE

EUT operation mode: Transmitting

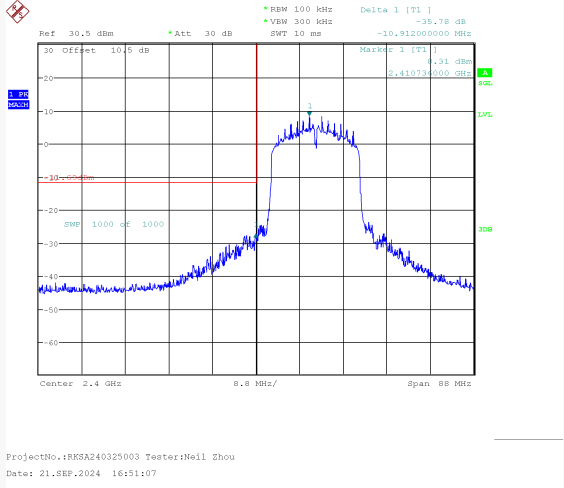
Test Result: Compliant

For Wi-Fi Mode:

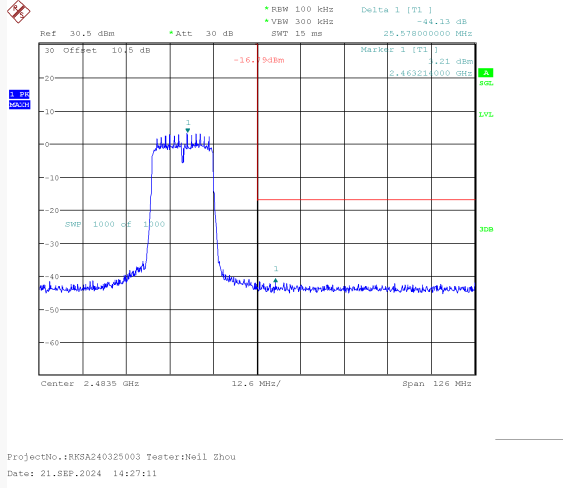
Chain 0:

802.11b Mode Left Side**802.11b Mode Right Side****802.11g Mode Left Side****802.11g Mode Right Side****802.11ax20 Mode Left Side****802.11ax20 Mode Right Side**

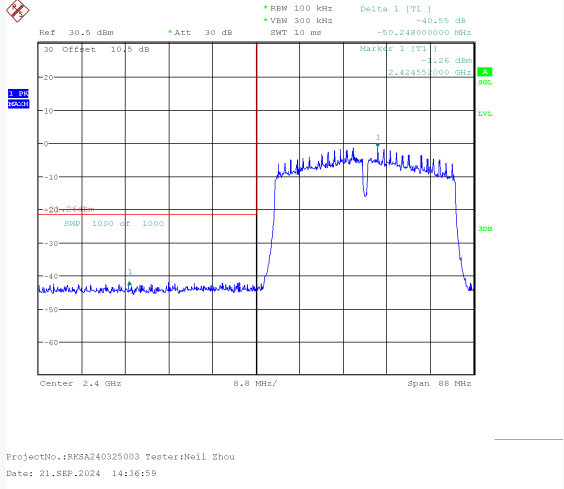
802.11n20 Mode Left Side



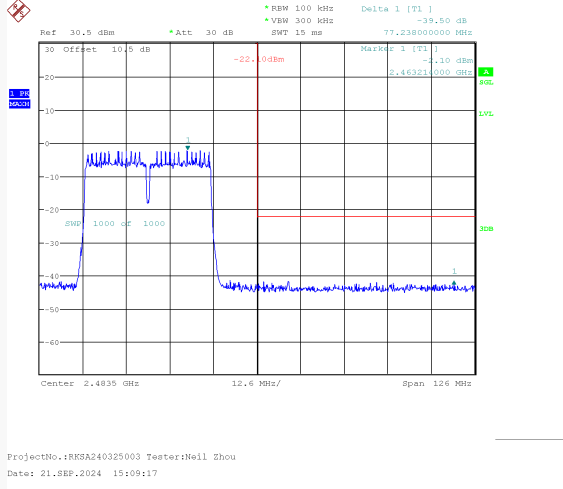
802.11n20 Mode Right Side



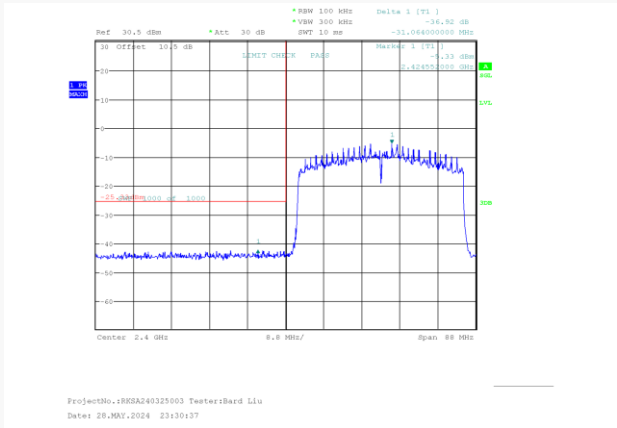
802.11n40 Mode Left Side



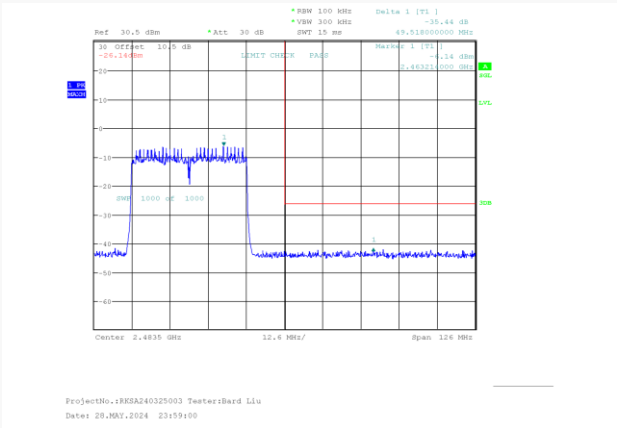
802.11n40 Mode Right Side



802.11ax40 Mode Right Side

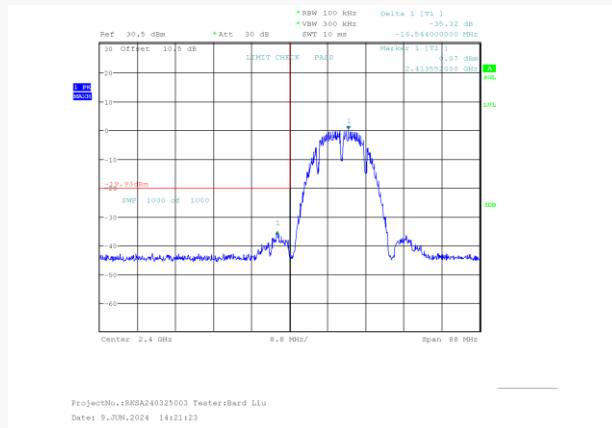


802.11ax40 Mode Right Side

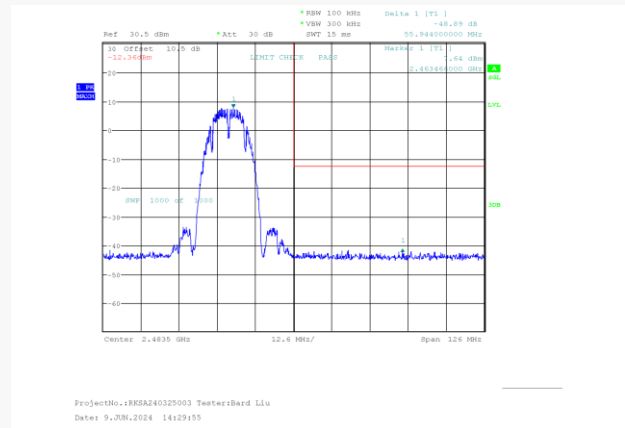


Chain 1:

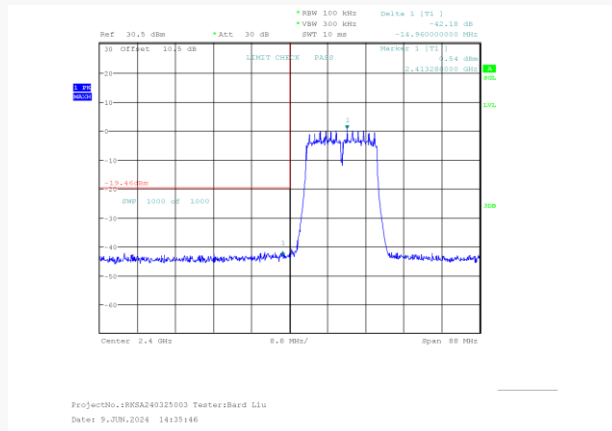
802.11b Mode Left Side



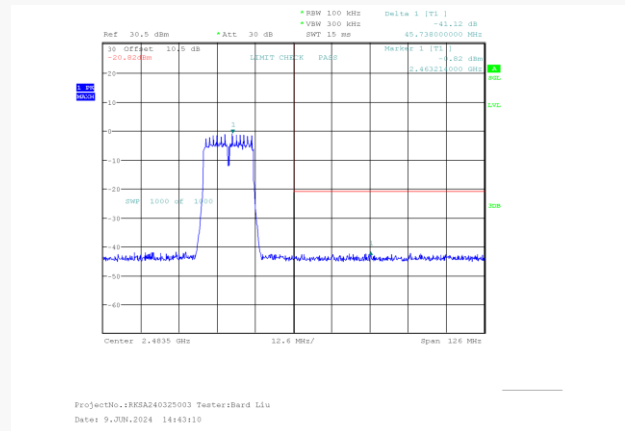
802.11b Mode Right Side



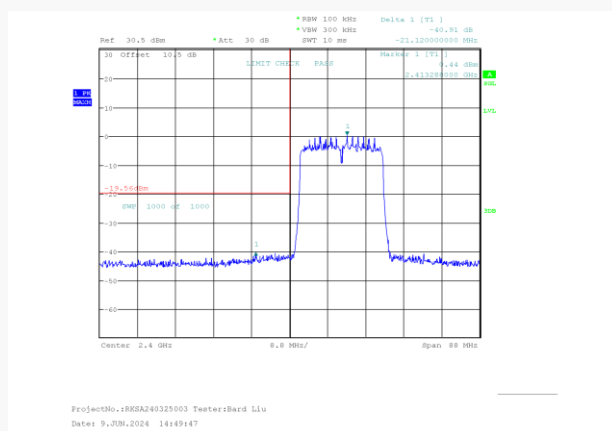
802.11g Mode Left Side



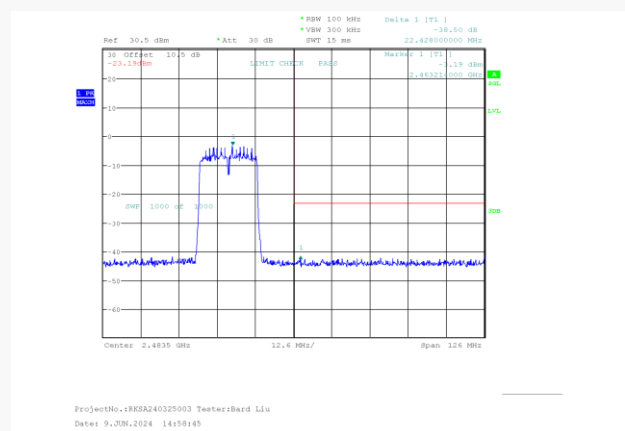
802.11g Mode Right Side



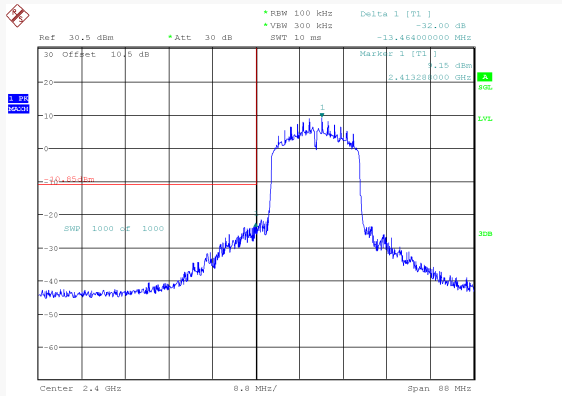
802.11ax20 Mode Left Side



802.11ax20 Mode Right Side

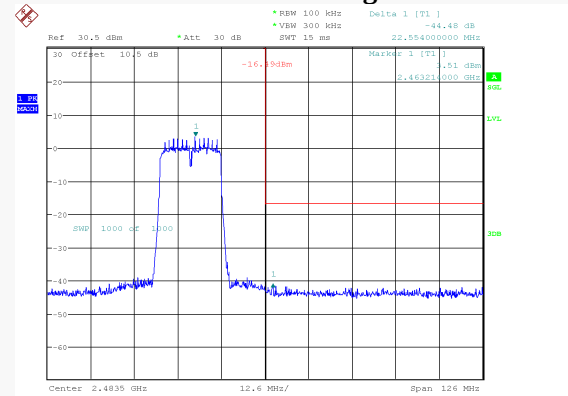


802.11n20 Mode Left Side



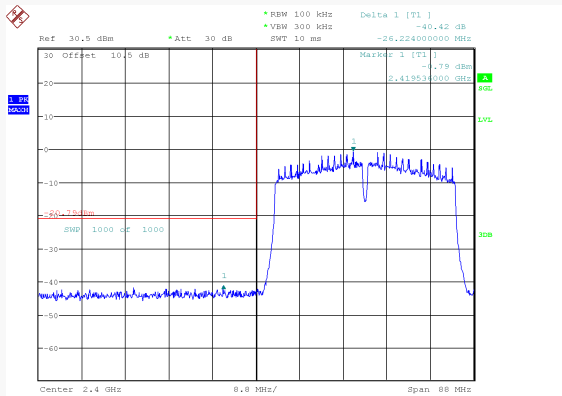
ProjectNo.:RKSA240325003 Tester:Neil Zhou
Date: 21.SEP.2024 15:27:14

802.11n20 Mode Right Side



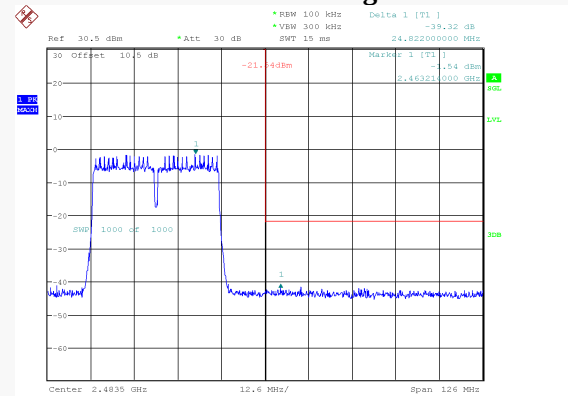
ProjectNo.:RKSA240325003 Tester:Neil Zhou
Date: 21.SEP.2024 15:49:04

802.11n40 Mode Left Side



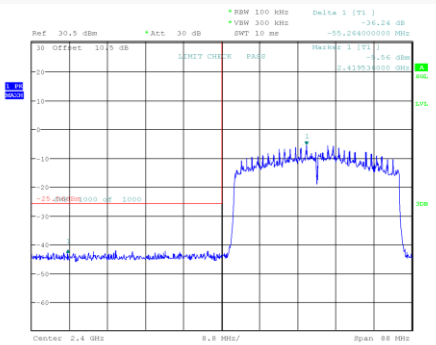
ProjectNo.:RKSA240325003 Tester:Neil Zhou
Date: 21.SEP.2024 15:59:46

802.11n40 Mode Right Side



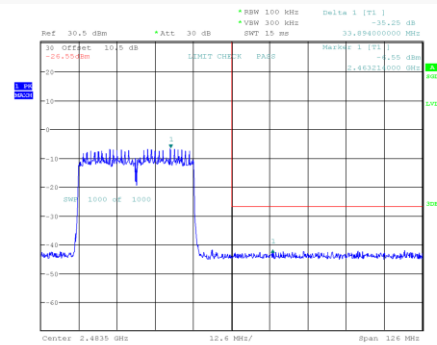
ProjectNo.:RKSA240325003 Tester:Neil Zhou
Date: 21.SEP.2024 16:32:36

802.11ax40 Mode Left Side



ProjectNo.:PKSA240428KS008 Tester:Bard Liu
Date: 9.JUN.2024 15:04:06

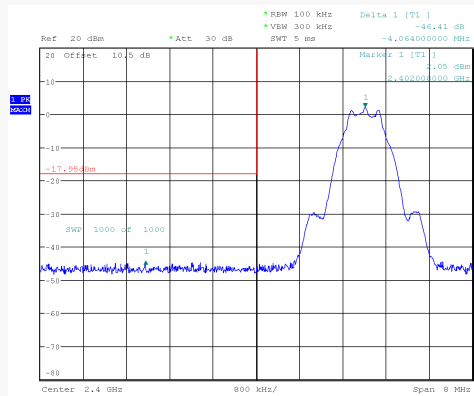
802.11ax40 Mode Right Side



ProjectNo.:PKSA240428KS008 Tester:Bard Liu
Date: 9.JUN.2024 15:14:23

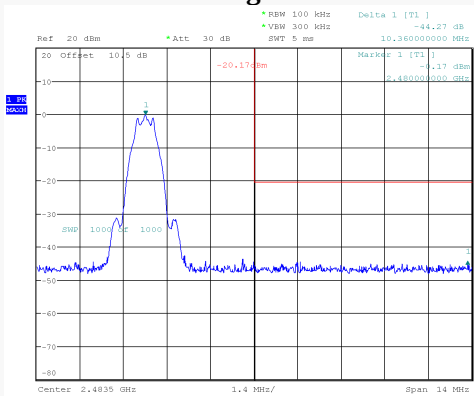
BLE 1Mbps:

Left Side



ProjectNo.:RKSA240325003 Tester:Bard Liu
Date: 22.JUL.2024 13:40:45

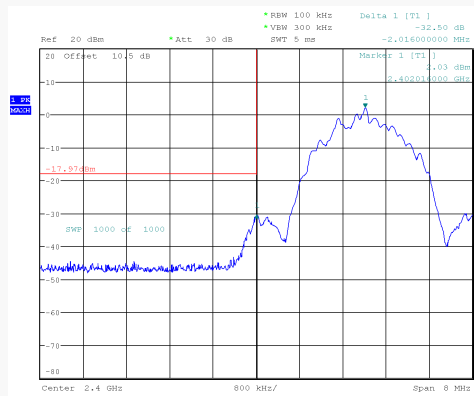
Right Side



ProjectNo.:RKSA240325003 Tester:Bard Liu
Date: 22.JUL.2024 13:53:45

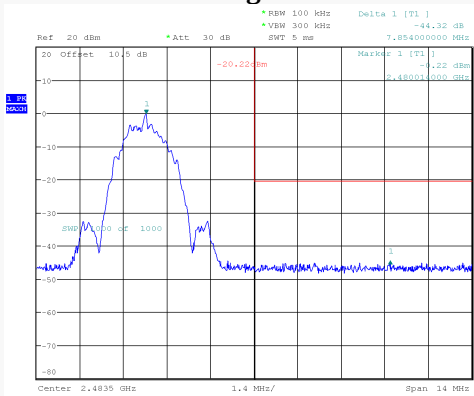
BLE 2Mbps:

Left Side



ProjectNo.:RKSA240325003 Tester:Bard Liu
Date: 22.JUL.2024 13:59:52

Right Side



ProjectNo.:RKSA240325003 Tester:Bard Liu
Date: 22.JUL.2024 14:14:39

POWER SPECTRAL DENSITY*EUT operation mode: Transmitting***Test Result:** Pass

Test Mode	Channel (MHz)	Power Spectral Density (dBm/3kHz)			Limit (dBm/3kHz)	Verdict
		Chain 0	Chain 1	Total		
802.11b	2412	-5.64	-4.55	/	≤8.00	PASS
	2437	-5.34	-5.04	/	≤8.00	PASS
	2462	-6.17	-6.16	/	≤8.00	PASS
802.11g	2412	-16.96	-17.73	/	≤8.00	PASS
	2437	-16.05	-16.44	/	≤8.00	PASS
	2462	-16.85	-17.13	/	≤8.00	PASS
802.11n20	2412	-8.24	-6.70	-4.39	≤8.00	PASS
	2437	-9.43	-8.84	-6.11	≤8.00	PASS
	2462	-12.96	-12.28	-9.60	≤8.00	PASS
802.11ax20	2412	-15.23	-15.51	-12.36	≤8.00	PASS
	2437	-16.10	-16.31	-13.19	≤8.00	PASS
	2462	-18.79	-19.03	-15.90	≤8.00	PASS
802.11n40	2422	-17.75	-16.92	-14.30	≤8.00	PASS
	2437	-18.31	-17.41	-14.83	≤8.00	PASS
	2452	-18.58	-17.75	-15.13	≤8.00	PASS
802.11ax40	2422	-20.60	-20.83	-17.70	≤8.00	PASS
	2437	-20.74	-21.17	-17.94	≤8.00	PASS
	2452	-21.17	-21.56	-18.35	≤8.00	PASS

Note:

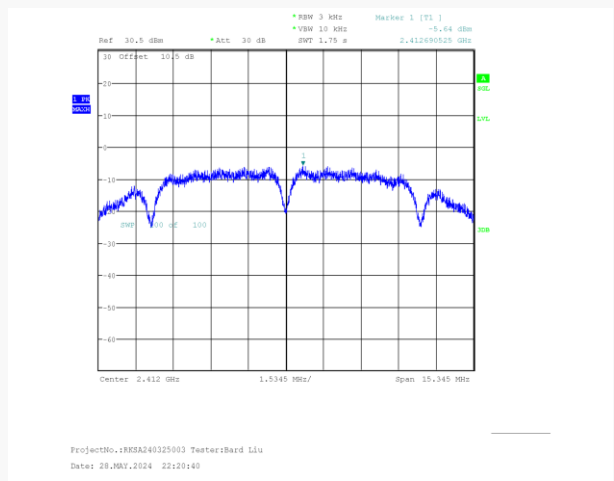
The maximum antenna gain is 2.49 dBi. The device employed Cyclic Delay Diversity (CDD) for 802.11MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density (PSD) measurements on the devices:

Array Gain = $10 \cdot \log(N_{\text{ANT}}/N_{\text{SS}})$ dB.

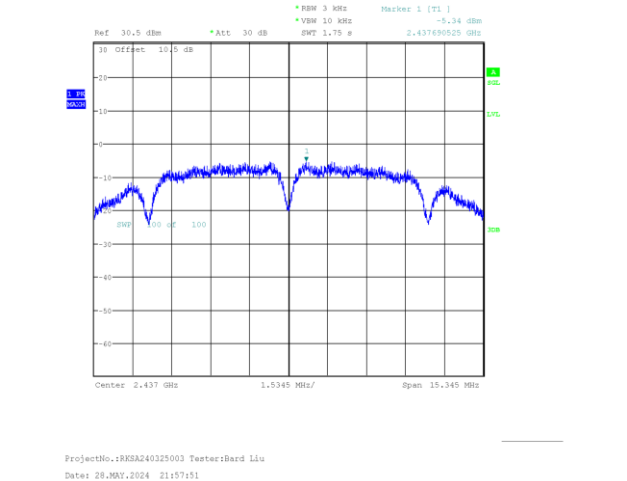
So: Directional gain = G_{ANT} + Array Gain = 2.49 + $10 \cdot \log(2/1)$ = 5.49 dBi < 6dBi, so no power spectral density limit was reduced

Chain 0:

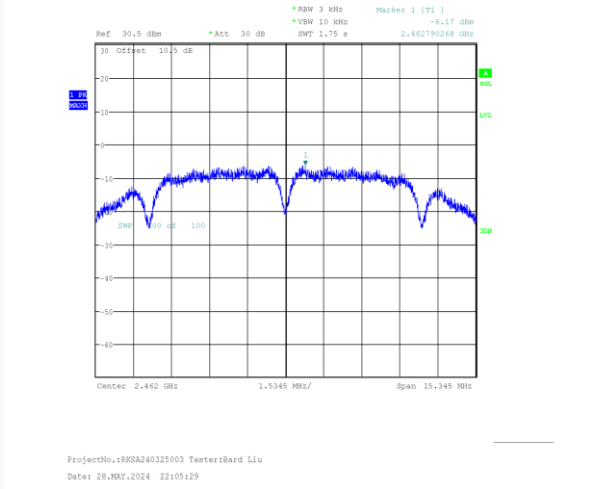
802.11b Low Channel



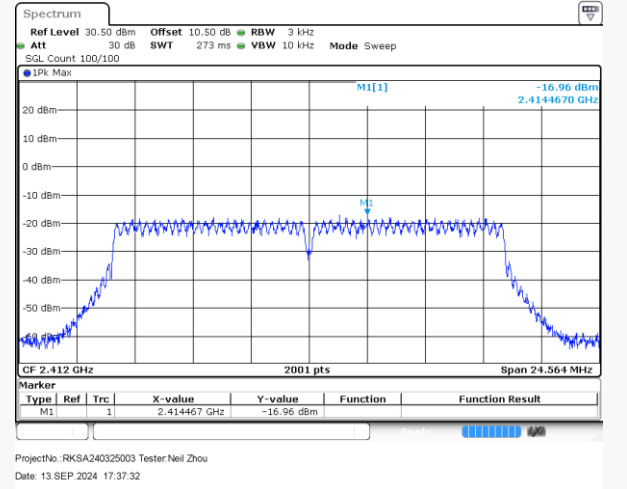
802.11b Middle Channel



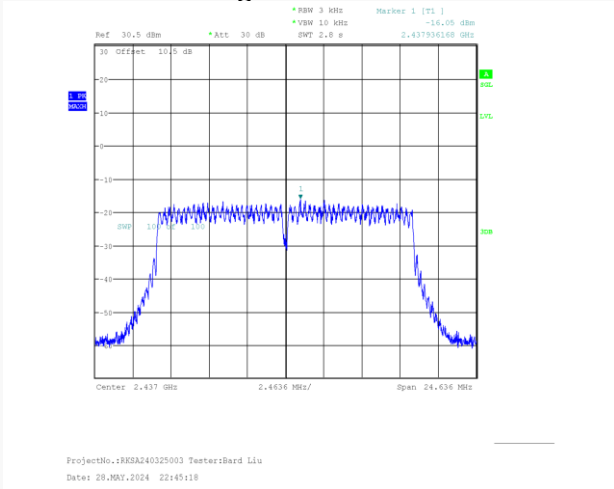
802.11b High Channel



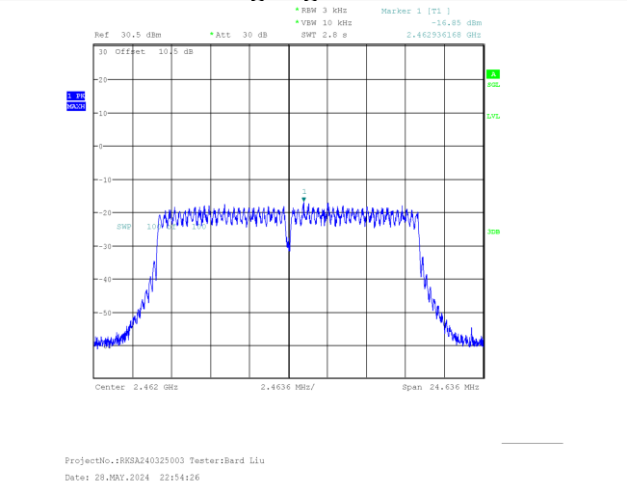
802.11g Low Channel



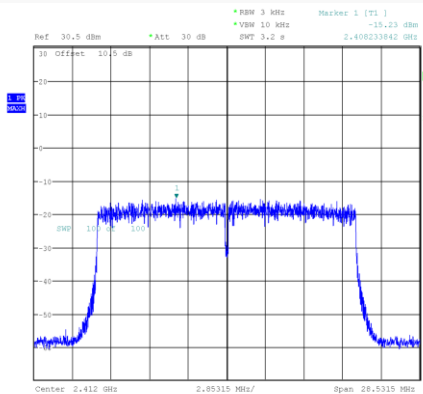
802.11g Middle Channel



802.11g High Channel

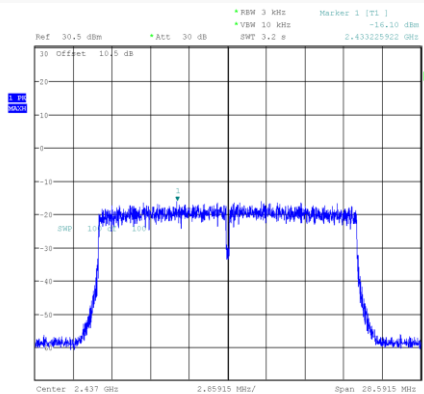


802.11ax20 Low Channel



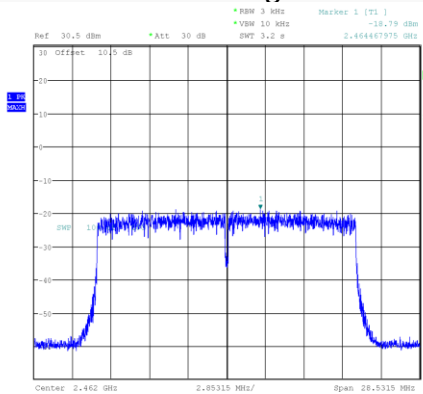
ProjectNo.:RKSA240325003 Tester:Bard Liu
Date: 28.MAY.2024 23:05:40

802.11ax20 Middle Channel



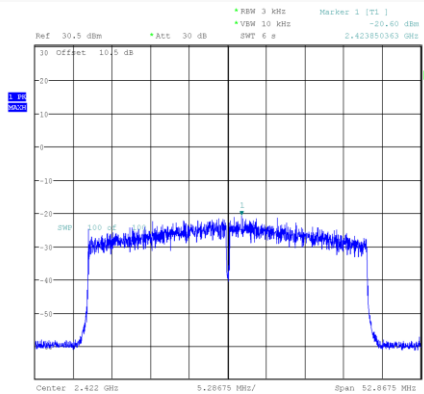
ProjectNo.:RKSA240325003 Tester:Bard Liu
Date: 28.MAY.2024 23:17:10

802.11ax20 High Channel



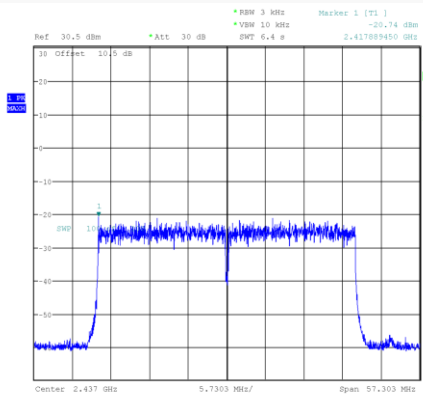
ProjectNo.:RKSA240325003 Tester:Bard Liu
Date: 28.MAY.2024 23:28:45

802.11ax40 Low Channel



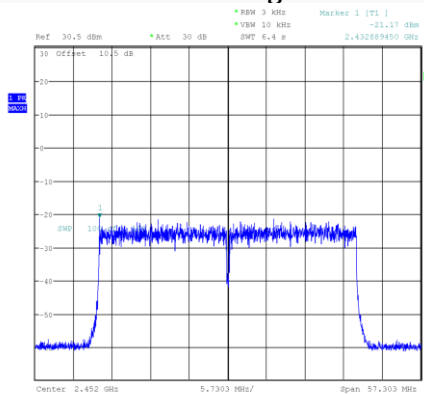
ProjectNo.:RKSA240325003 Tester:Bard Liu
Date: 28.MAY.2024 23:42:51

802.11ax40 Middle Channel



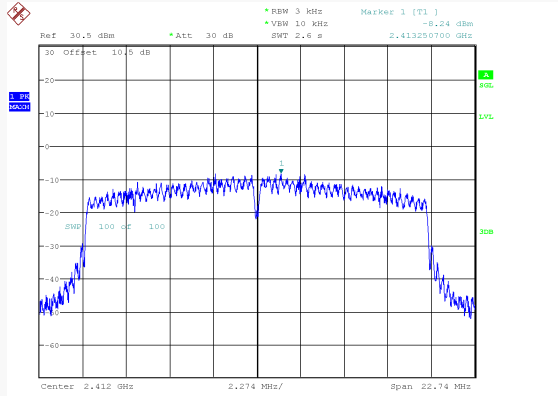
ProjectNo.:RKSA240325003 Tester:Bard Liu
Date: 28.MAY.2024 23:57:23

802.11ax40 High Channel



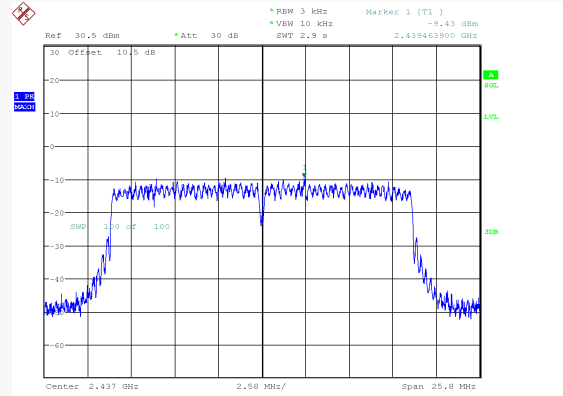
ProjectNo.:RKSA240325003 Tester:Bard Liu
Date: 29.MAY.2024 00:11:48

802.11n20 Low Channel



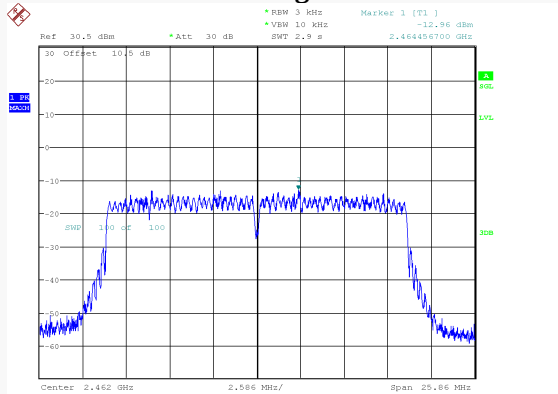
ProjectNo.:RKSA240325003 Tester:Neil Zhou
Date: 21.SEP.2024 16:57:51

802.11n20 Middle Channel



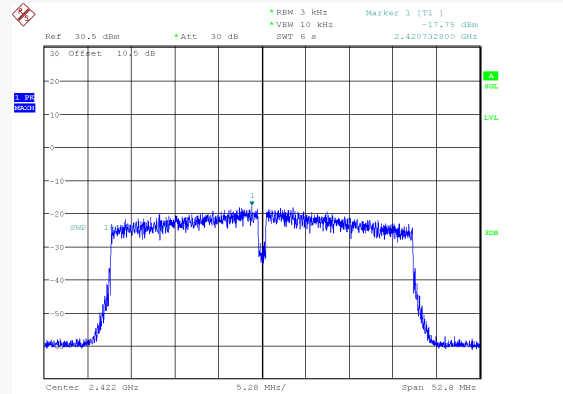
ProjectNo.:RKSA240325003 Tester:Neil Zhou
Date: 21.SEP.2024 14:23:03

802.11n20 High Channel



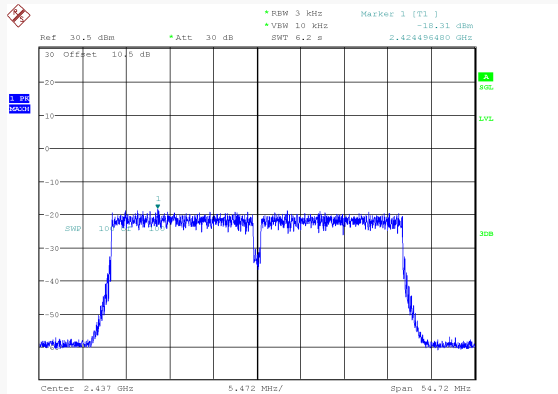
ProjectNo.:RKSA240325003 Tester:Neil Zhou
Date: 21.SEP.2024 14:34:03

802.11n40 Low Channel



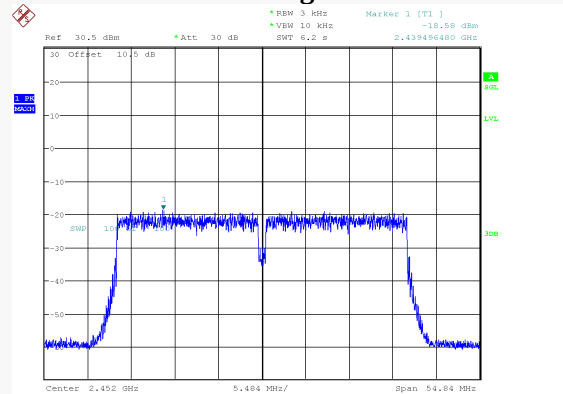
ProjectNo.:RKSA240325003 Tester:Neil Zhou
Date: 21.SEP.2024 14:49:00

802.11n40 Middle Channel



ProjectNo.:RKSA240325003 Tester:Neil Zhou
Date: 21.SEP.2024 15:03:35

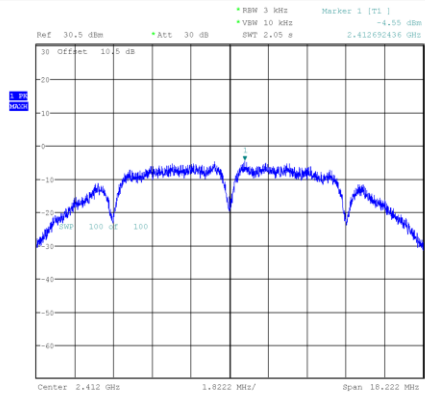
802.11n40 High Channel



ProjectNo.:RKSA240325003 Tester:Neil Zhou
Date: 21.SEP.2024 15:22:37

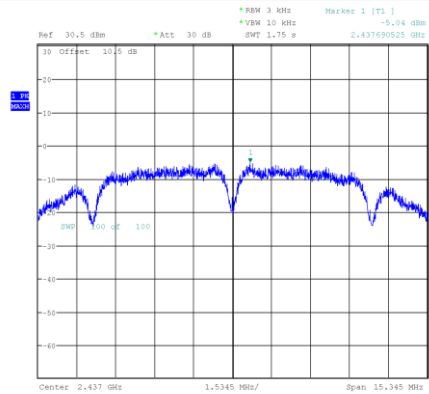
Chain 1:

802.11b Low Channel



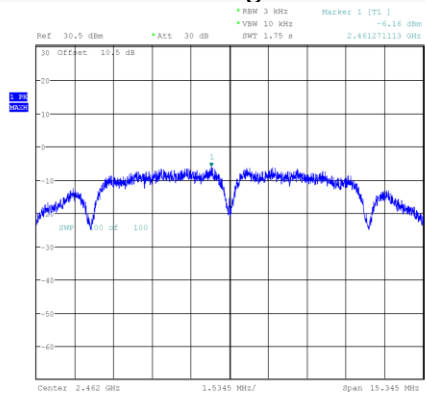
ProjectNo.:RKSA240325003 Tester:Bard Liu
Date: 9/JUN/2024 15:39:12

802.11b Middle Channel



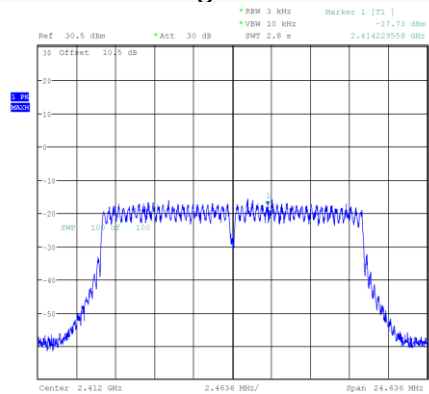
ProjectNo.:RKSA240325003 Tester:Bard Liu
Date: 9/JUN/2024 15:42:48

802.11b High Channel



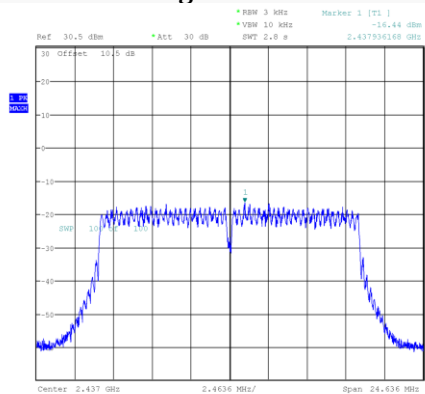
ProjectNo.:RKSA240325003 Tester:Bard Liu
Date: 9/JUN/2024 15:46:12

802.11g Low Channel



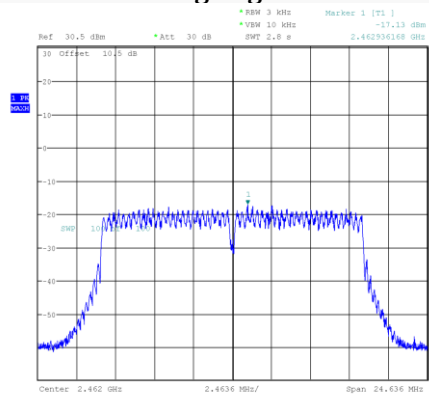
ProjectNo.:RKSA240325003 Tester:Bard Liu
Date: 9/JUN/2024 15:56:37

802.11g Middle Channel



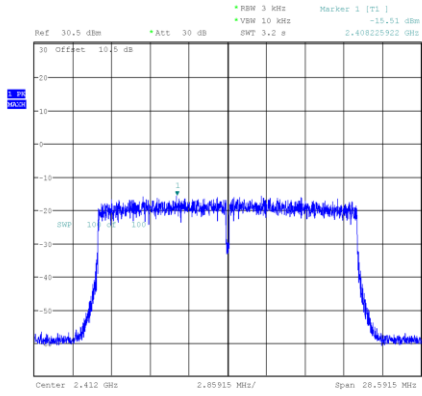
ProjectNo.:RKSA240325003 Tester:Bard Liu
Date: 9/JUN/2024 16:01:54

802.11g High Channel



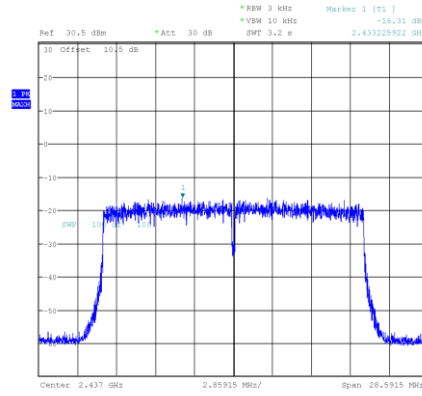
ProjectNo.:RKSA240325003 Tester:Bard Liu
Date: 9/JUN/2024 16:14:25

802.11ax20 Low Channel



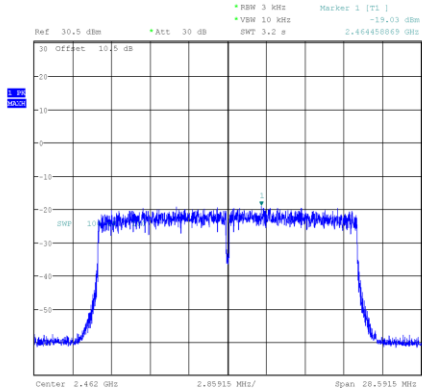
ProjectNo.:RKSA240325003 Tester:Bard Liu
 Date: 9/JUN/2024 16:21:02

802.11ax20 Middle Channel



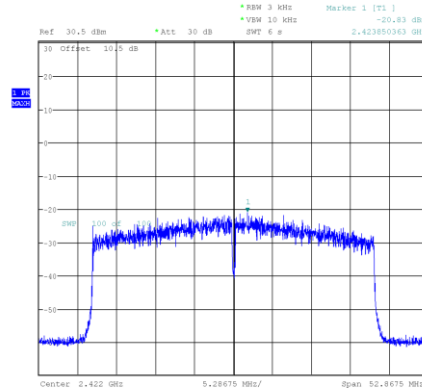
ProjectNo.:RKSA240325003 Tester:Bard Liu
 Date: 9/JUN/2024 16:27:20

802.11ax20 High Channel



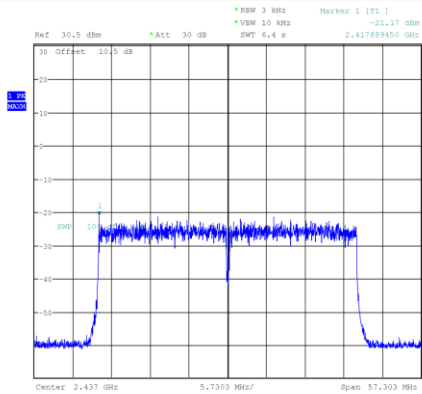
ProjectNo.:RKSA240325003 Tester:Bard Liu
 Date: 9/JUN/2024 16:33:51

802.11ax40 Low Channel



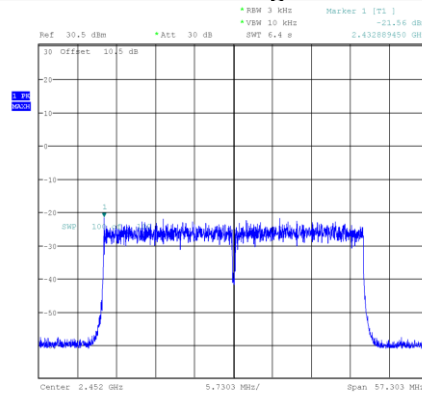
ProjectNo.:RKSA240325003 Tester:Bard Liu
 Date: 9/JUN/2024 16:44:42

802.11ax40 Middle Channel



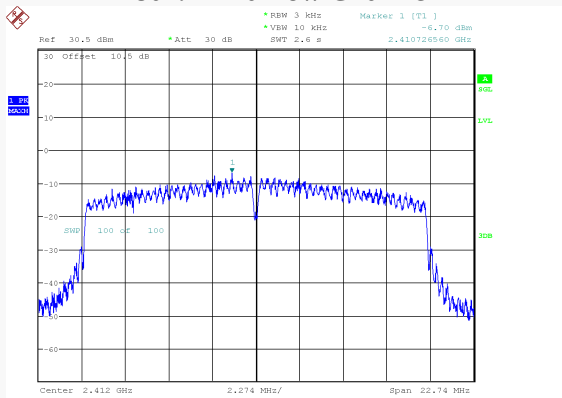
ProjectNo.:RKSA240325003 Tester:Bard Liu
 Date: 9/JUN/2024 16:56:10

802.11ax40 High Channel



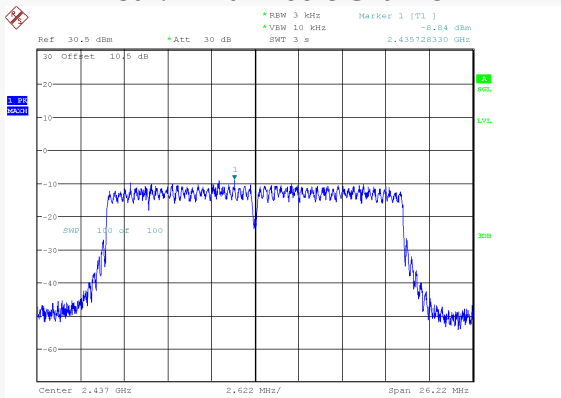
ProjectNo.:RKSA240325003 Tester:Bard Liu
 Date: 9/JUN/2024 17:07:46

802.11n20 Low Channel



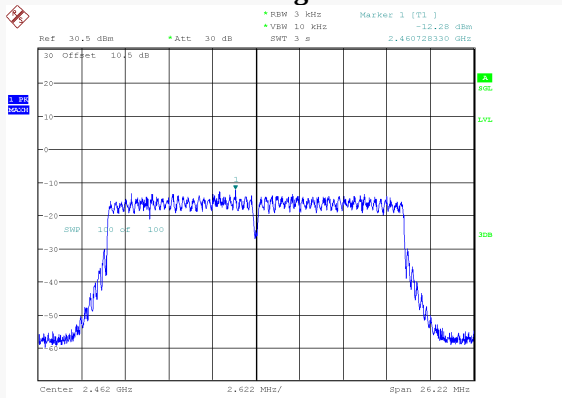
ProjectNo.:RKSA240325003 Tester:Neil Zhou
Date: 21.SEP.2024 15:33:52

802.11n20 Middle Channel



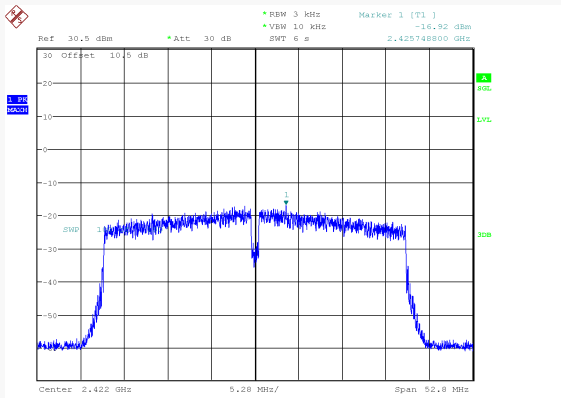
ProjectNo.:RKSA240325003 Tester:Neil Zhou
Date: 21.SEP.2024 15:45:00

802.11n20 High Channel



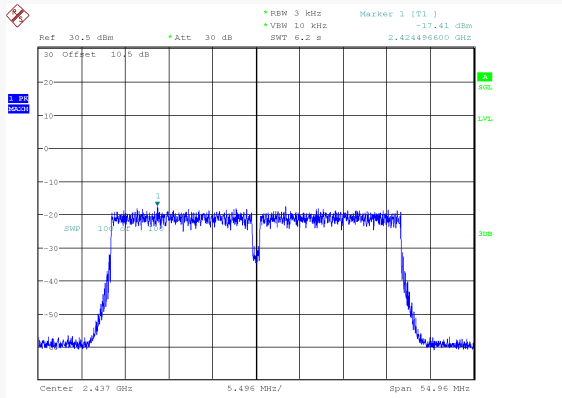
ProjectNo.:RKSA240325003 Tester:Neil Zhou
Date: 21.SEP.2024 15:56:26

802.11n40 Low Channel



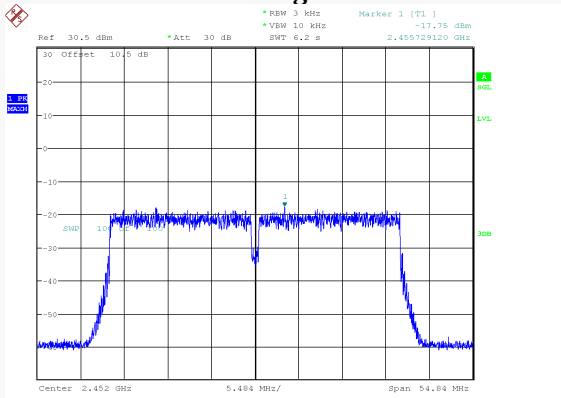
ProjectNo.:RKSA240325003 Tester:Neil Zhou
Date: 21.SEP.2024 16:12:31

802.11n40 Middle Channel



ProjectNo.:RKSA240325003 Tester:Neil Zhou
Date: 21.SEP.2024 16:29:43

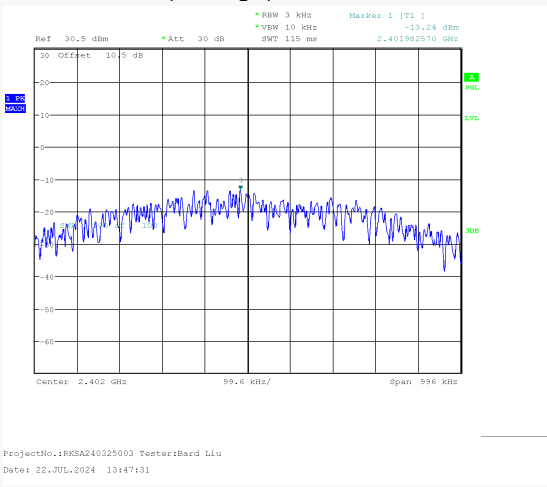
802.11n40 High Channel



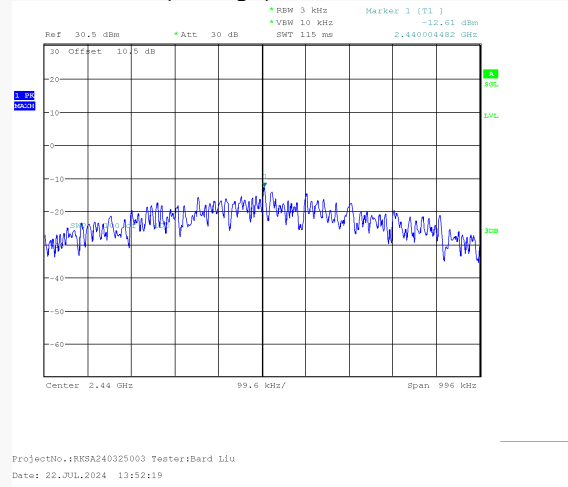
ProjectNo.:RKSA240325003 Tester:Neil Zhou
Date: 21.SEP.2024 16:45:12

Mode	Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)
BLE 1 Mbps	Low	2402	-13.24	≤ 8
	Middle	2440	-12.61	≤ 8
	High	2480	-15.37	≤ 8
BLE 2 Mbps	Low	2402	-15.54	≤ 8
	Middle	2440	-16.44	≤ 8
	High	2480	-16.74	≤ 8

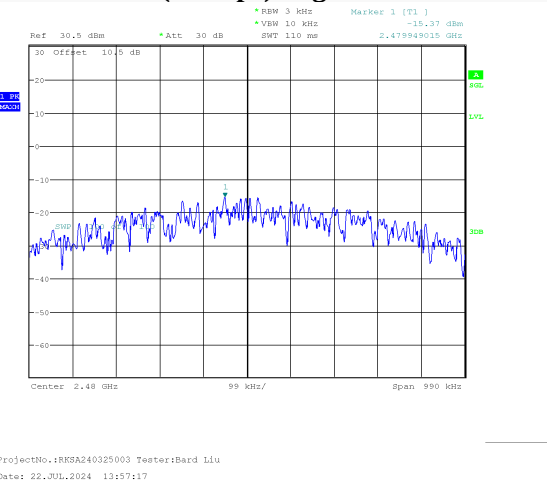
BLE (1 Mbps) Low Channel



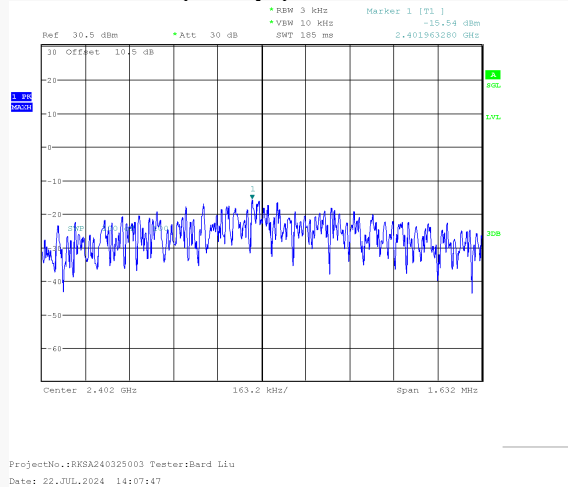
BLE (1 Mbps) Middle Channel



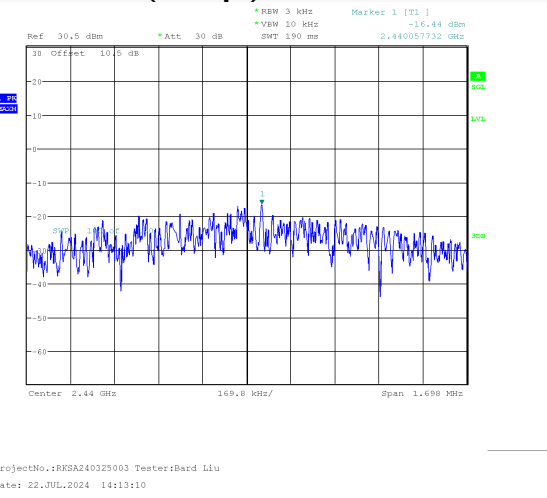
BLE (1 Mbps) High Channel



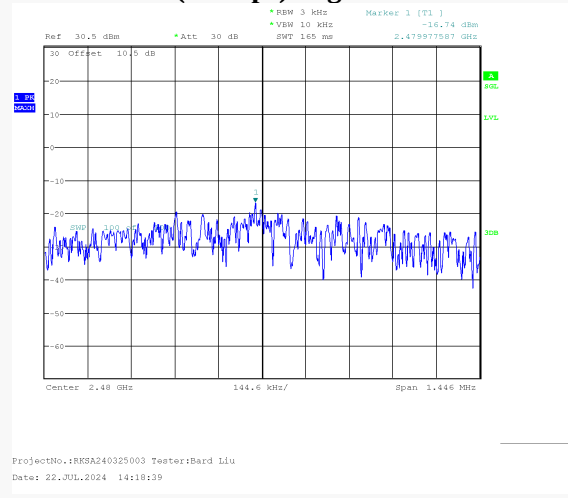
BLE (2 Mbps) Low Channel



BLE (2 Mbps) Middle Channel



BLE (2 Mbps) 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 *******