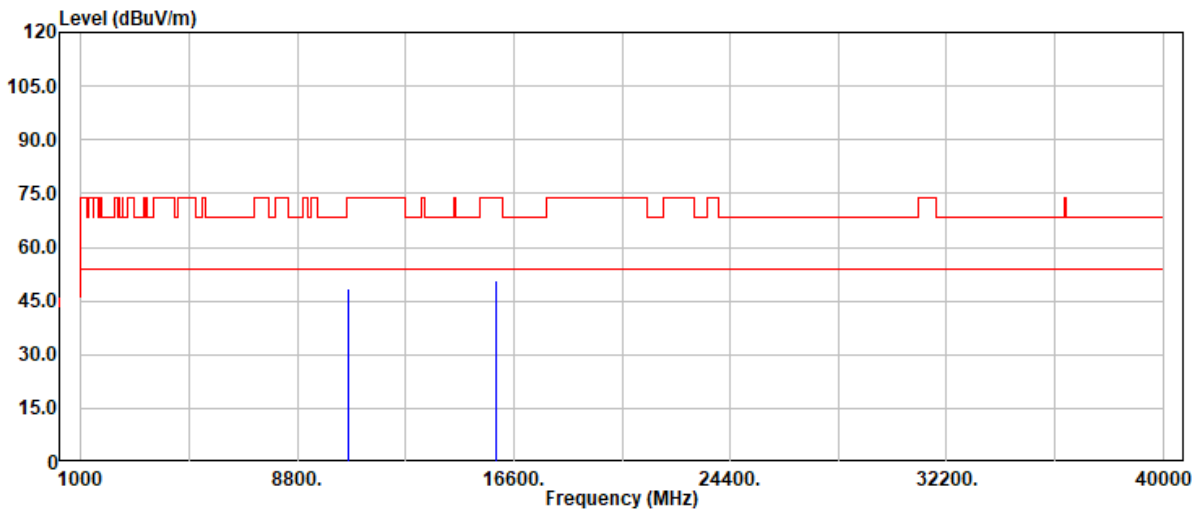




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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11ax20_Band2	Temp./Humi.	: 24.3/57
Frequency	: 5320 MHz	Antenna Pol.	: Horizontal
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 20.5		



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10640.00	35.16	13.48	48.64	74.00	-25.36	Peak
10640.00	28.09	13.48	41.57	54.00	-12.43	Average
15960.00	34.37	16.43	50.80	74.00	-23.20	Peak
15960.00	27.74	16.43	44.17	54.00	-9.83	Average

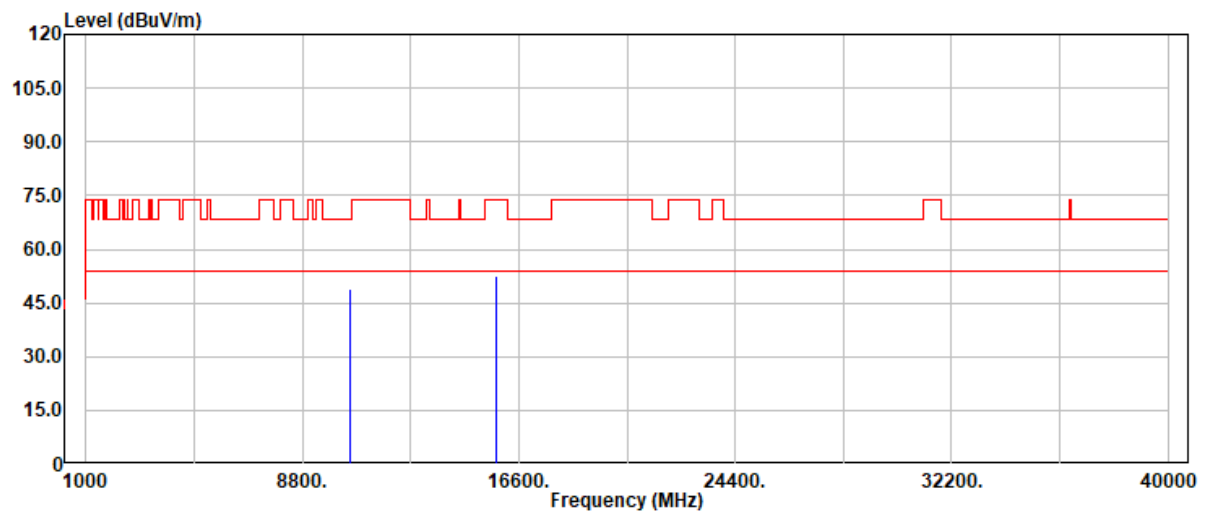


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Project No : TM-2412000356P
Operation Band : 802.11ax40_Band2
Frequency : 5270 MHz
Operation Mode : TX
EUT Pol : H
Setting : 24

Test Date : 2025-02-05
Temp./Humi. : 24.3/57
Antenna Pol. : Vertical
Engineer : Tony.Chao
Test Chamber : 966A



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10540.00	36.09	13.02	49.11	68.20	-19.09	Peak
15810.00	35.99	16.33	52.32	74.00	-21.68	Peak
15810.00	26.91	16.33	43.24	54.00	-10.76	Average

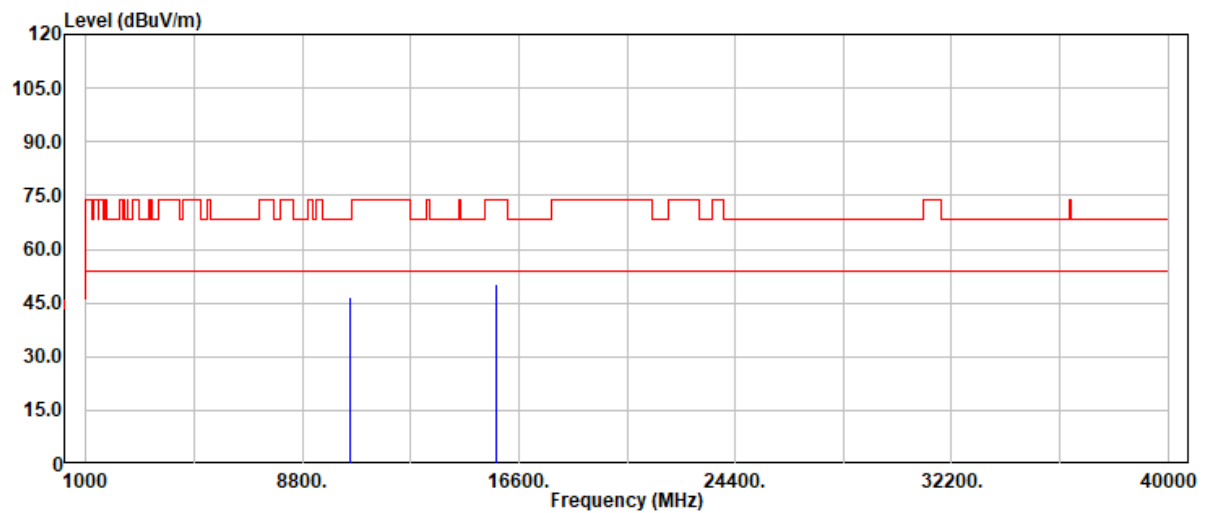


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Project No : TM-2412000356P
Operation Band : 802.11ax40_Band2
Frequency : 5270 MHz
Operation Mode : TX
EUT Pol : H
Setting : 24

Test Date : 2025-02-05
Temp./Humi. : 24.3/57
Antenna Pol. : Horizontal
Engineer : Tony.Chao
Test Chamber : 966A



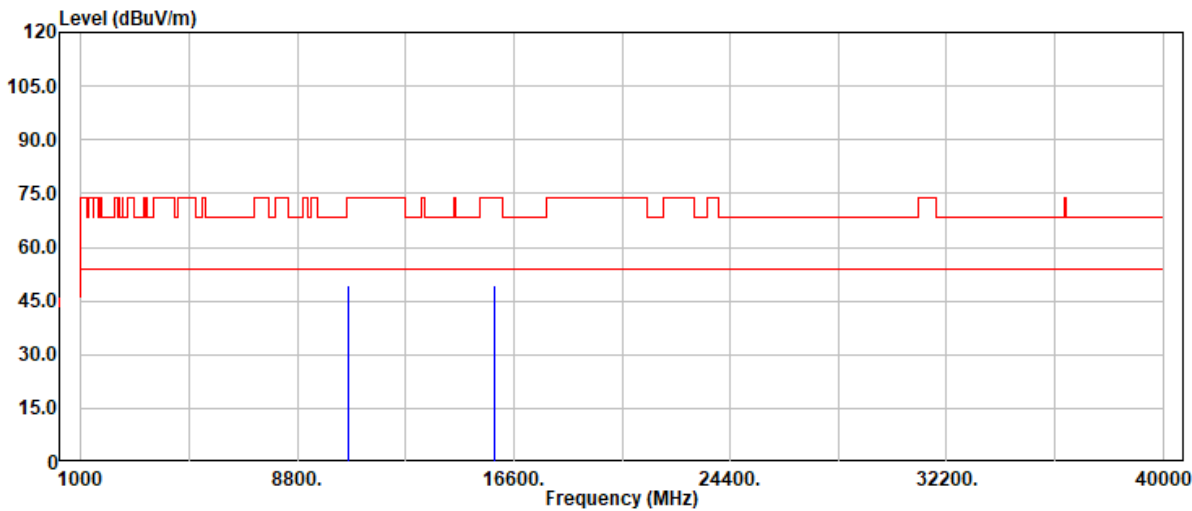
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10540.00	33.66	13.02	46.68	68.20	-21.52	Peak
15810.00	33.83	16.33	50.16	74.00	-23.84	Peak
15810.00	26.86	16.33	43.19	54.00	-10.81	Average



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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11ax40_Band2	Temp./Humi.	: 24.3/57
Frequency	: 5310 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 17.5		



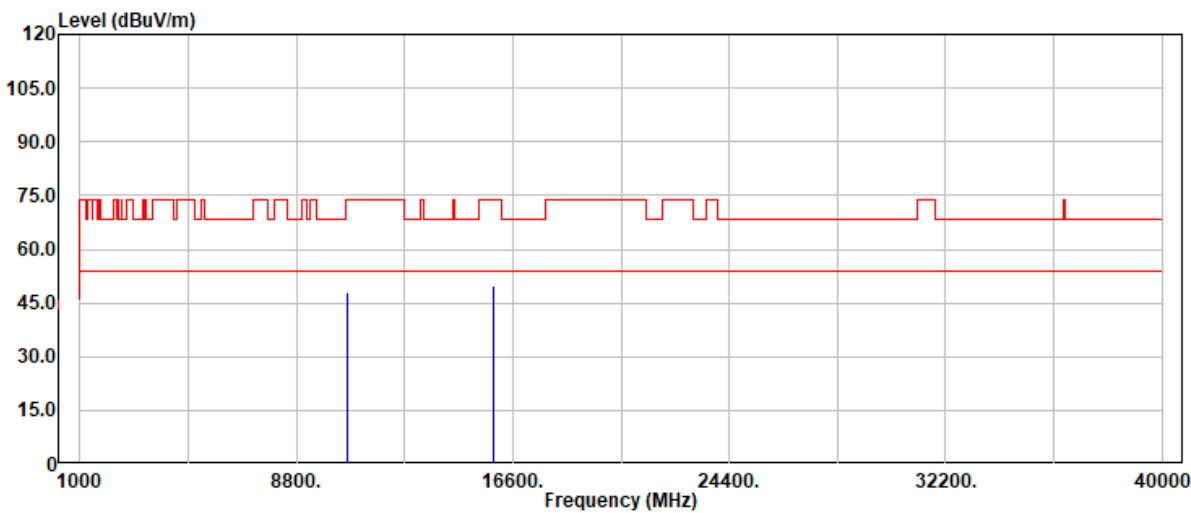
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10620.00	35.72	13.48	49.20	74.00	-24.80	Peak
10620.00	26.86	13.48	40.34	54.00	-13.66	Average
15930.00	33.14	16.32	49.46	74.00	-24.54	Peak
15930.00	26.19	16.32	42.51	54.00	-11.49	Average



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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11ax40_Band2	Temp./Humi.	: 24.3/57
Frequency	: 5310 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 17.5		



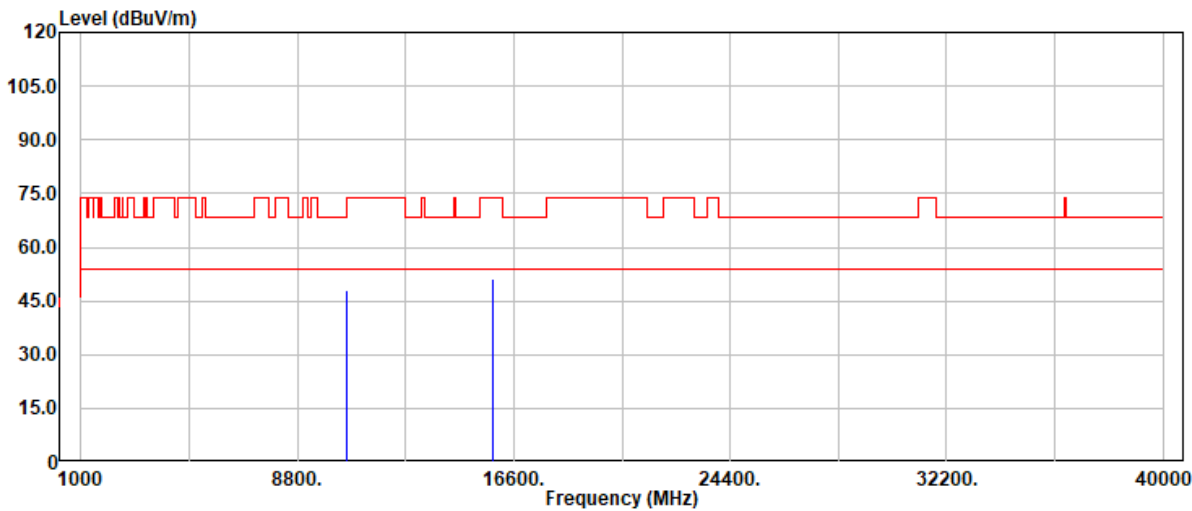
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10620.00	34.33	13.48	47.81	74.00	-26.19	Peak
10620.00	27.46	13.48	40.94	54.00	-13.06	Average
15930.00	33.38	16.32	49.70	74.00	-24.30	Peak
15930.00	27.50	16.32	43.82	54.00	-10.18	Average



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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11ax80_Band2	Temp./Humi.	: 24.3/57
Frequency	: 5290 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 15.5		



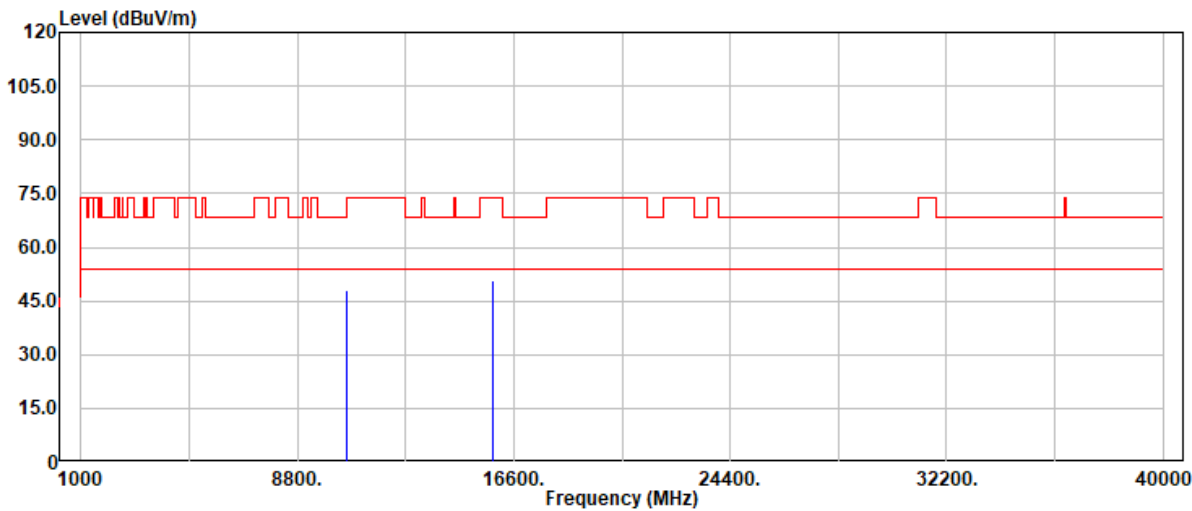
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10580.00	34.56	13.31	47.87	68.20	-20.33	Peak
15870.00	35.17	16.21	51.38	74.00	-22.62	Peak
15870.00	26.43	16.21	42.64	54.00	-11.36	Average



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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11ax80_Band2	Temp./Humi.	: 24.3/57
Frequency	: 5290 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 15.5		



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
10580.00	34.65	13.31	47.96	68.20	-20.24	Peak
15870.00	34.37	16.21	50.58	74.00	-23.42	Peak
15870.00	26.35	16.21	42.56	54.00	-11.44	Average

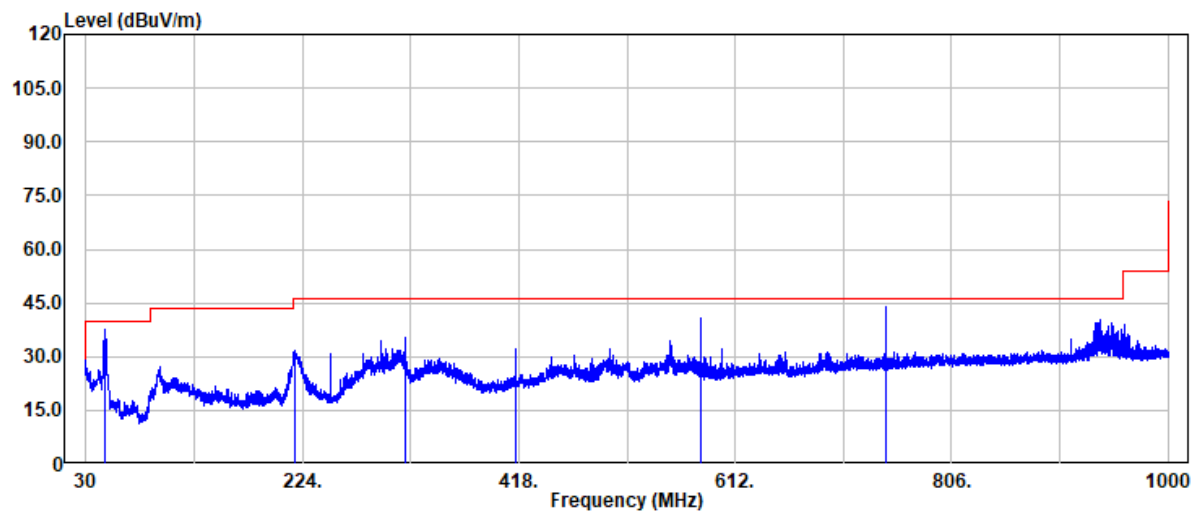


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Project No : TM-2412000356P
Operation Band : 802.11n20_Band3
Frequency : 5700 MHz
Operation Mode : TX
EUT Pol : H
Setting :

Test Date : 2025-02-18
Temp./Humi. : 24.5/57
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
47.10	52.50	-14.83	37.67	40.00	-2.33	Peak
217.90	44.05	-12.57	31.48	46.00	-14.52	Peak
316.80	44.34	-8.96	35.38	46.00	-10.62	Peak
415.00	38.44	-6.31	32.13	46.00	-13.87	Peak
581.00	44.05	-3.24	40.81	46.00	-5.19	Peak
747.00	44.30	-0.33	43.97	46.00	-2.03	Peak



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Project No : TM-2412000356P

Operation Band : 802.11n20_Band3

Frequency : 5700 MHz

Operation Mode : TX

EUT Pol : H

Setting :

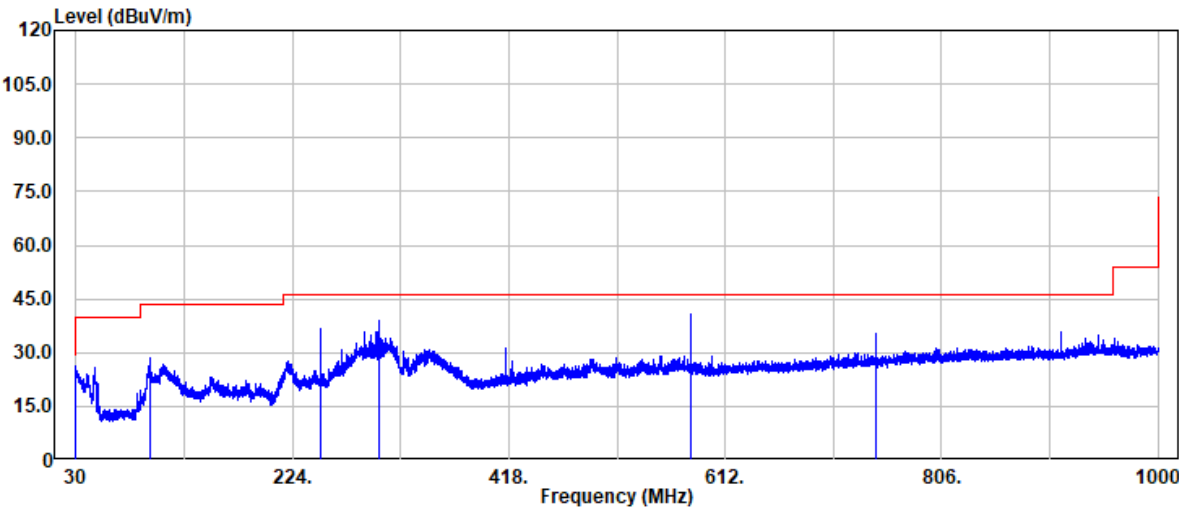
Test Date : 2025-02-18

Temp./Humi. : 24.5/57

Antenna Pol. : HORIZONTAL

Engineer : Tony.Chao

Test Chamber : 966A



Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
30.10	29.07	-2.79	26.28	40.00	-13.72	Peak
95.80	43.06	-14.66	28.40	43.50	-15.10	Peak
249.00	47.96	-11.40	36.56	46.00	-9.44	Peak
302.30	48.11	-9.28	38.83	46.00	-7.17	Peak
581.00	43.89	-3.24	40.65	46.00	-5.35	Peak
747.00	35.63	-0.33	35.30	46.00	-10.70	Peak

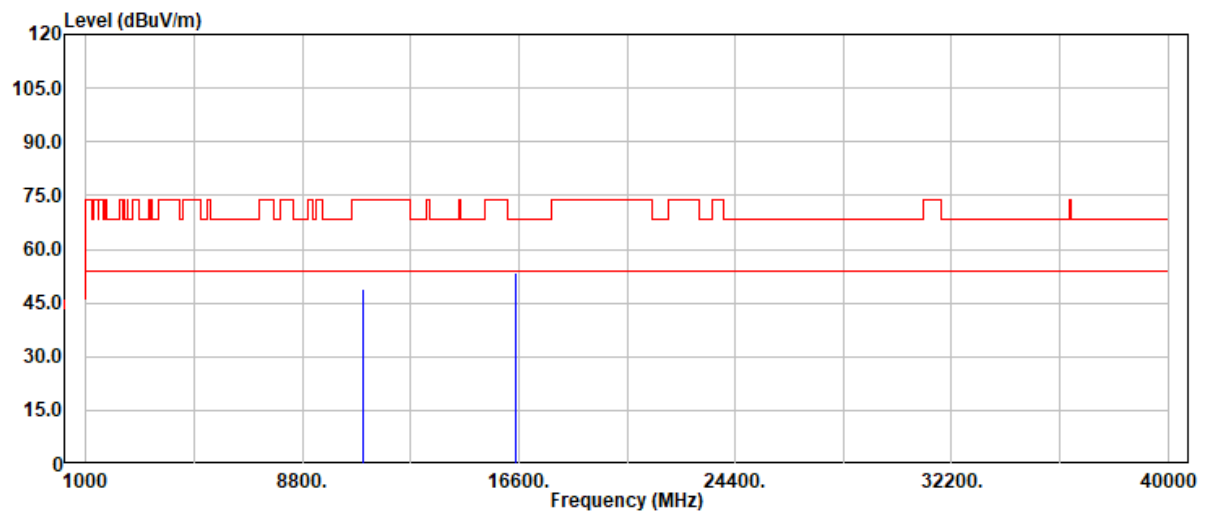


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Project No : TM-2412000356P
Operation Band : 802.11a_Band3_CH0
Frequency : 5500 MHz
Operation Mode : TX
EUT Pol : H
Setting : 20.5

Test Date : 2025-02-04
Temp./Humi. : 24.4/58
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



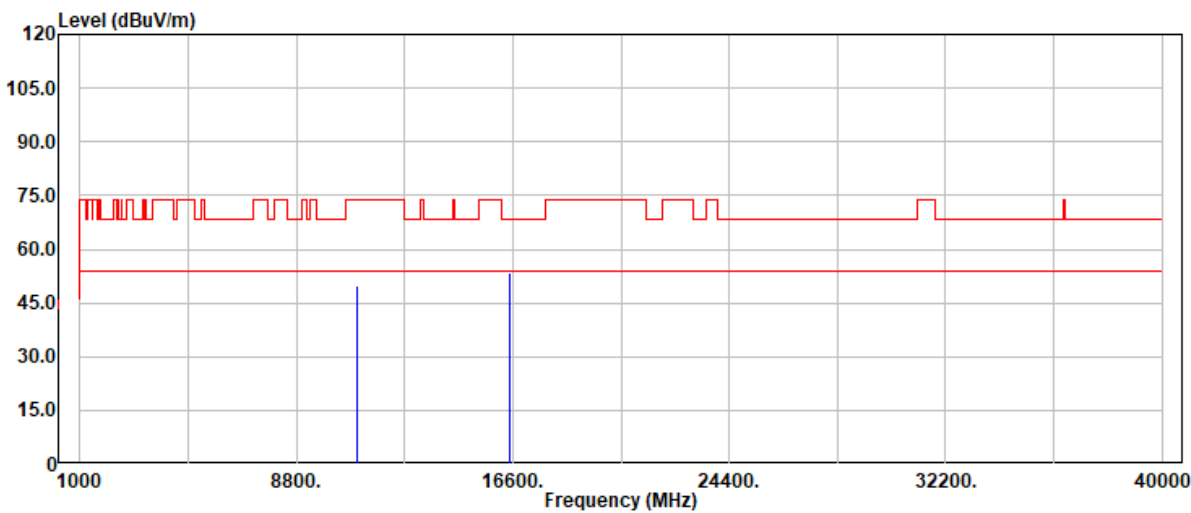
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11000.00	34.60	14.35	48.95	74.00	-25.05	Peak
11000.00	27.25	14.35	41.60	54.00	-12.40	Average
16500.00	33.42	19.87	53.29	68.20	-14.91	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-04
Operation Band	: 802.11a_Band3_CH0	Temp./Humi.	: 24.4/58
Frequency	: 5500 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 20.5		



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11000.00	35.57	14.35	49.92	74.00	-24.08	Peak
11000.00	26.20	14.35	40.55	54.00	-13.45	Average
16500.00	33.79	19.87	53.66	68.20	-14.54	Peak

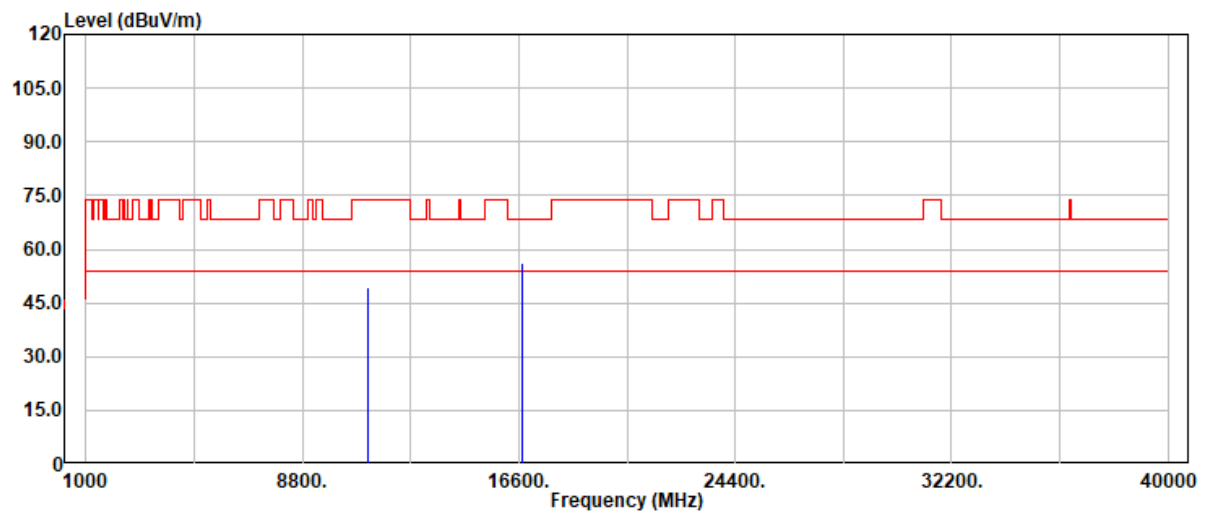


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Project No : TM-2412000356P
Operation Band : 802.11a_Band3_CH0
Frequency : 5580 MHz
Operation Mode : TX
EUT Pol : H
Setting : 24

Test Date : 2025-02-04
Temp./Humi. : 24.4/58
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11160.00	35.53	13.93	49.46	74.00	-24.54	Peak
11160.00	27.87	13.93	41.80	54.00	-12.20	Average
16740.00	34.44	21.61	56.05	68.20	-12.15	Peak

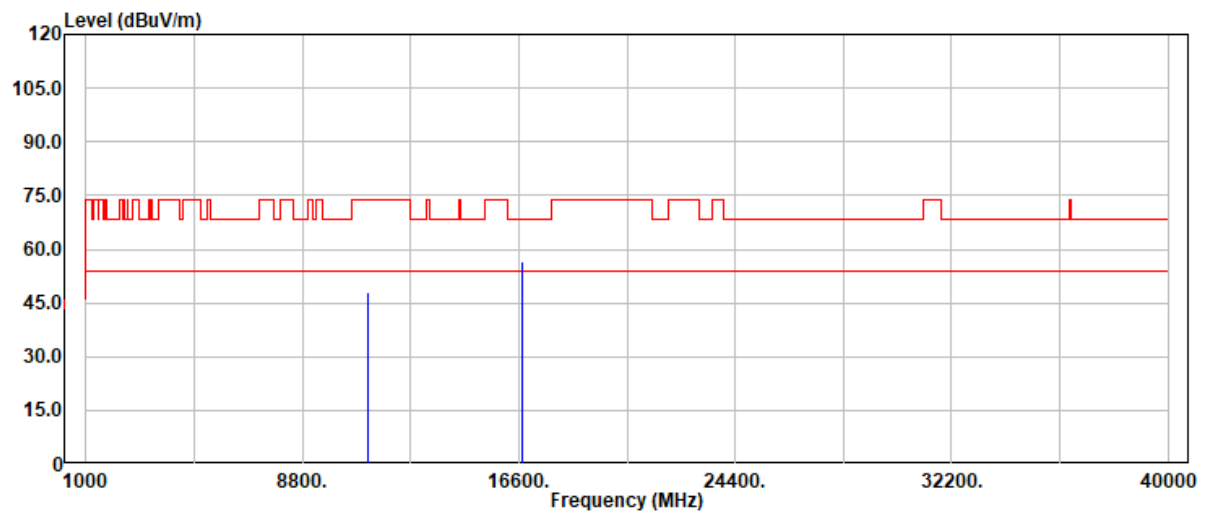


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Project No : TM-2412000356P
Operation Band : 802.11a_Band3_CH0
Frequency : 5580 MHz
Operation Mode : TX
EUT Pol : H
Setting : 24

Test Date : 2025-02-04
Temp./Humi. : 24.4/58
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11160.00	34.27	13.93	48.20	74.00	-25.80	Peak
11160.00	26.25	13.93	40.18	54.00	-13.82	Average
16740.00	34.95	21.61	56.56	68.20	-11.64	Peak

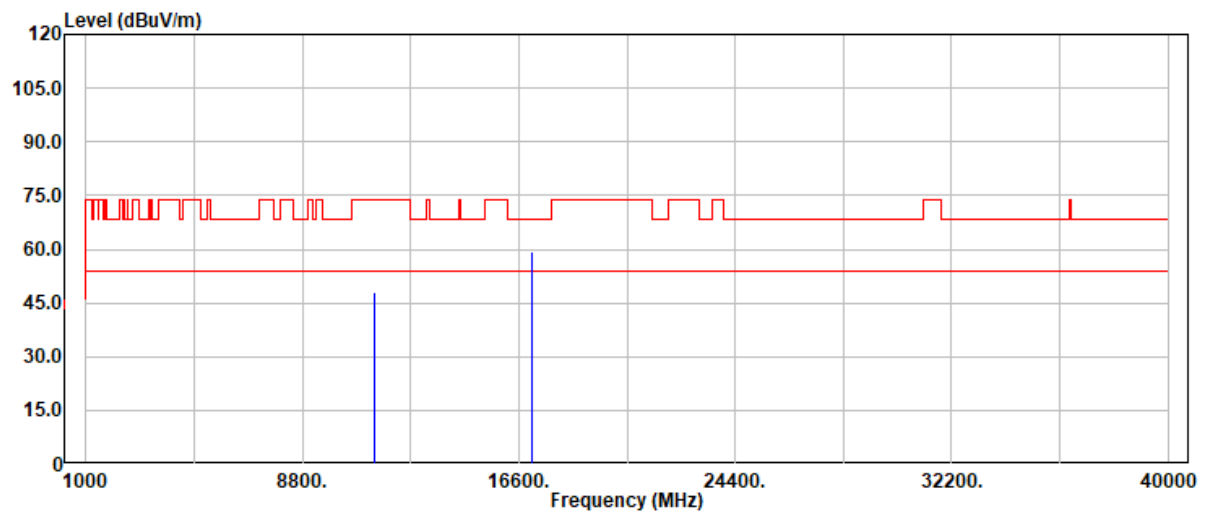


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Project No : TM-2412000356P
Operation Band : 802.11a_Band3_CH0
Frequency : 5700 MHz
Operation Mode : TX
EUT Pol : H
Setting : 18

Test Date : 2025-02-04
Temp./Humi. : 24.4/58
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11400.00	34.66	13.25	47.91	74.00	-26.09	Peak
11400.00	26.24	13.25	39.49	54.00	-14.51	Average
17100.00	32.97	26.40	59.37	68.20	-8.83	Peak

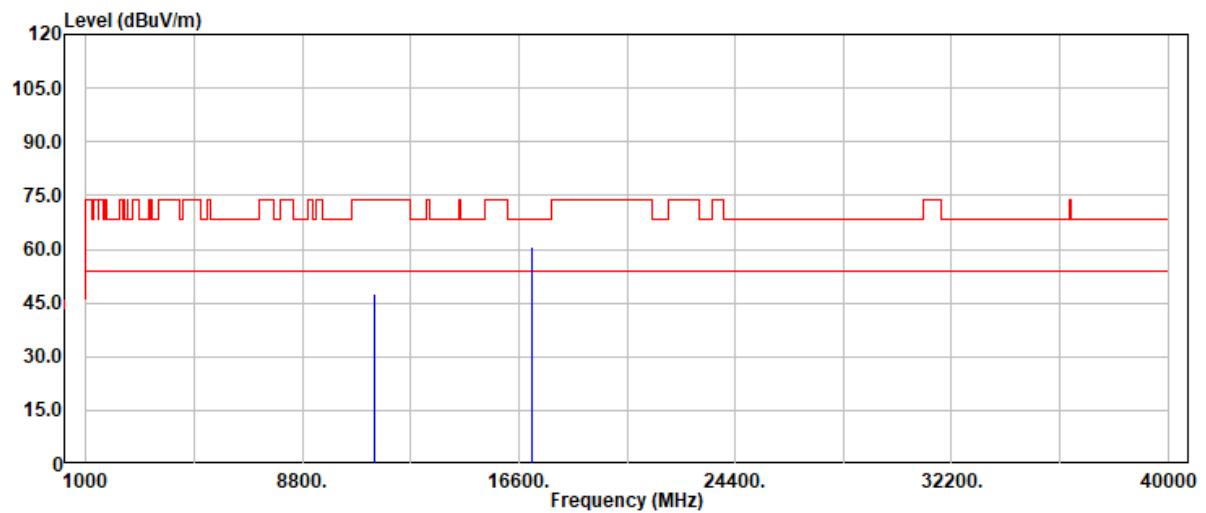


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Project No : TM-2412000356P
Operation Band : 802.11a_Band3_CH0
Frequency : 5700 MHz
Operation Mode : TX
EUT Pol : H
Setting : 18

Test Date : 2025-02-04
Temp./Humi. : 24.4/58
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11400.00	34.48	13.25	47.73	74.00	-26.27	Peak
11400.00	26.12	13.25	39.37	54.00	-14.63	Average
17100.00	34.07	26.40	60.47	68.20	-7.73	Peak

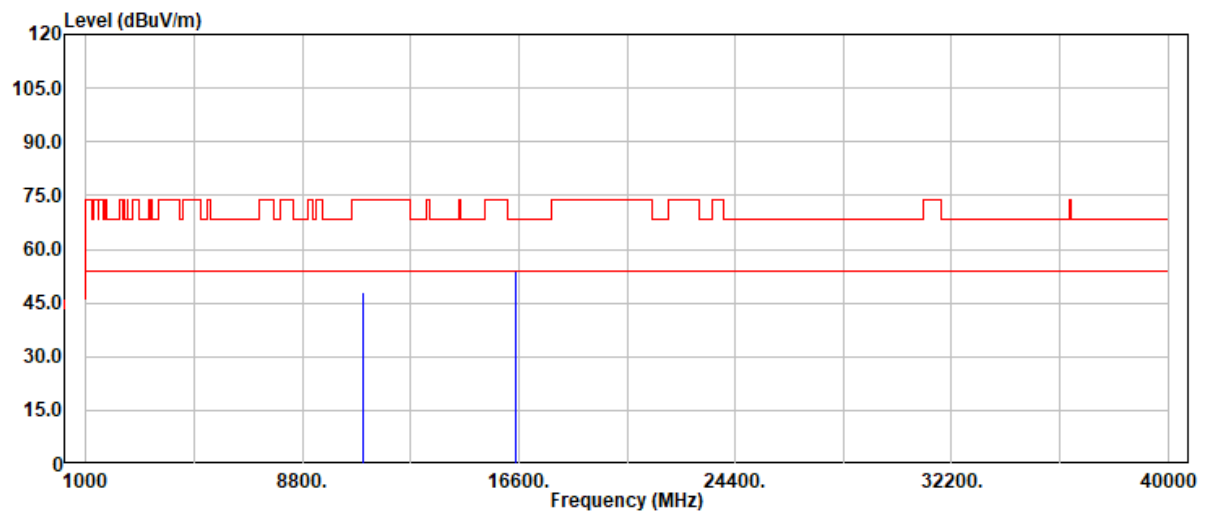


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Project No : TM-2412000356P
Operation Band : 802.11n20_Band3
Frequency : 5500 MHz
Operation Mode : TX
EUT Pol : H
Setting : 20.5

Test Date : 2025-02-04
Temp./Humi. : 24.4/58
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



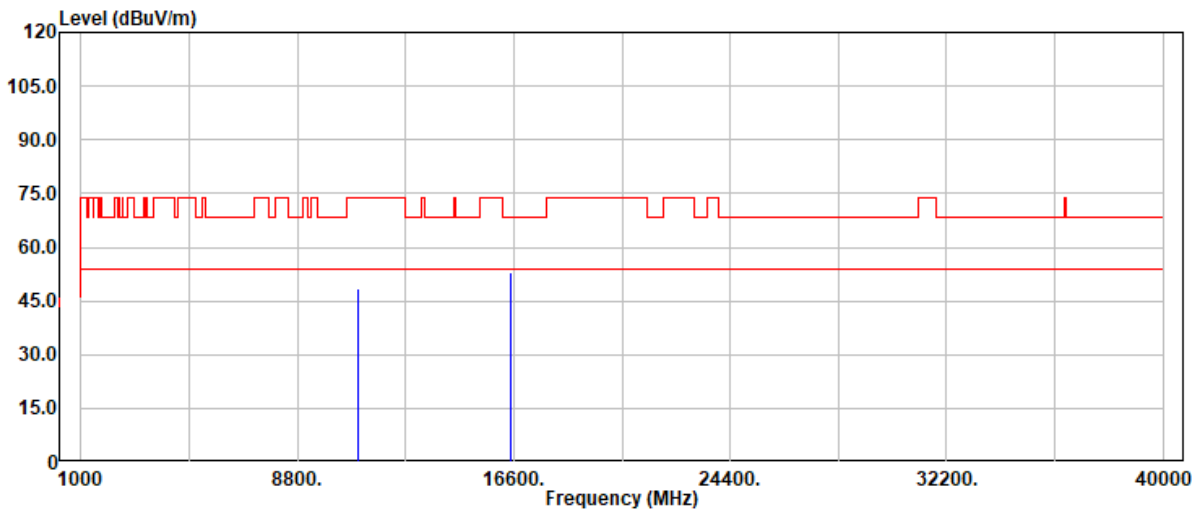
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11000.00	33.68	14.35	48.03	74.00	-25.97	Peak
11000.00	26.21	14.35	40.56	54.00	-13.44	Average
16500.00	33.92	19.87	53.79	68.20	-14.41	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-04
Operation Band	: 802.11n20_Band3	Temp./Humi.	: 24.4/58
Frequency	: 5500 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 20.5		



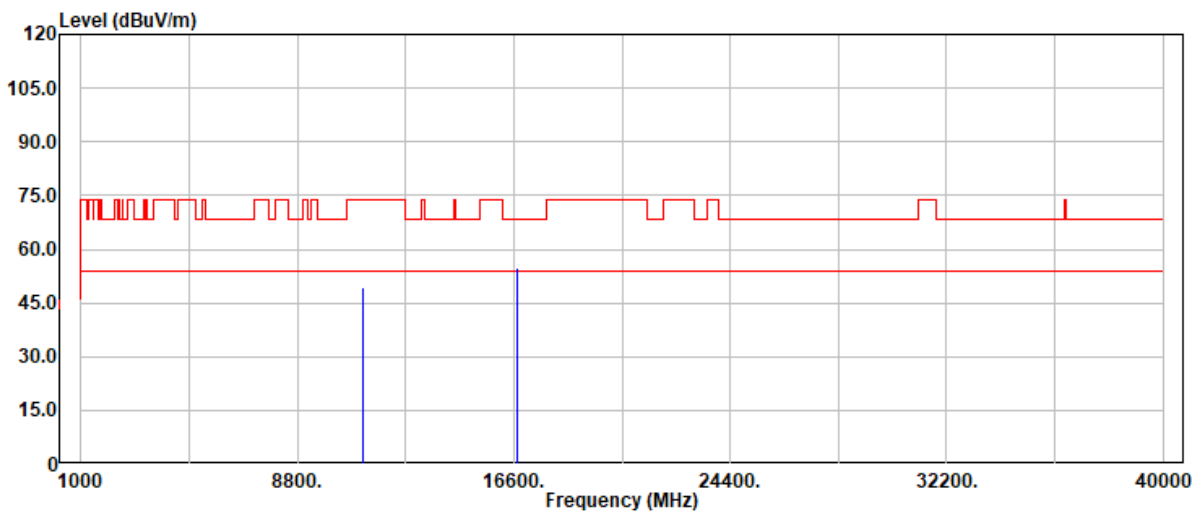
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11000.00	33.96	14.35	48.31	74.00	-25.69	Peak
11000.00	26.57	14.35	40.92	54.00	-13.08	Average
16500.00	33.31	19.87	53.18	68.20	-15.02	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-04
Operation Band	: 802.11n20_Band3	Temp./Humi.	: 24.4/58
Frequency	: 5580 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 25		



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11160.00	35.30	13.93	49.23	74.00	-24.77	Peak
11160.00	26.88	13.93	40.81	54.00	-13.19	Average
16740.00	33.13	21.61	54.74	68.20	-13.46	Peak

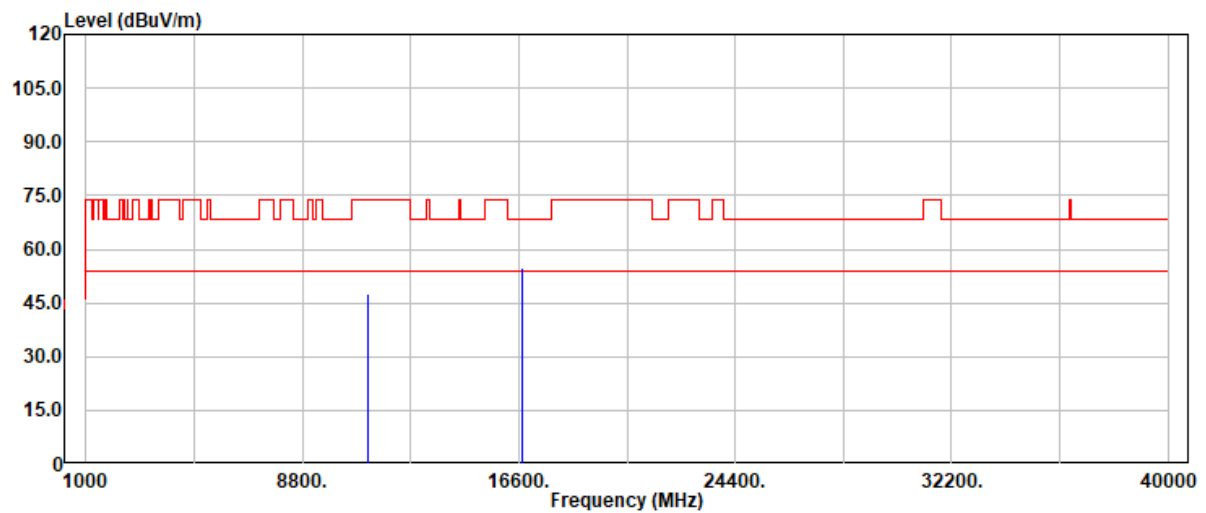


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Project No : TM-2412000356P
Operation Band : 802.11n20_Band3
Frequency : 5580 MHz
Operation Mode : TX
EUT Pol : H
Setting : 25

Test Date : 2025-02-04
Temp./Humi. : 24.4/58
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



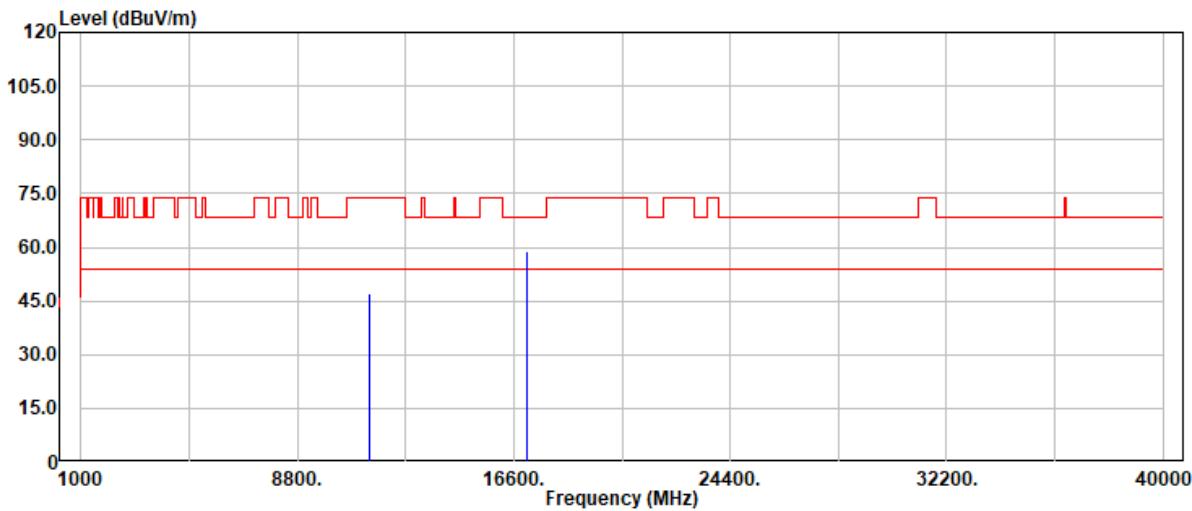
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11160.00	33.65	13.93	47.58	74.00	-26.42	Peak
11160.00	26.03	13.93	39.96	54.00	-14.04	Average
16740.00	33.33	21.61	54.94	68.20	-13.26	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-04
Operation Band	: 802.11n20_Band3	Temp./Humi.	: 24.4/58
Frequency	: 5700 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 17.25		



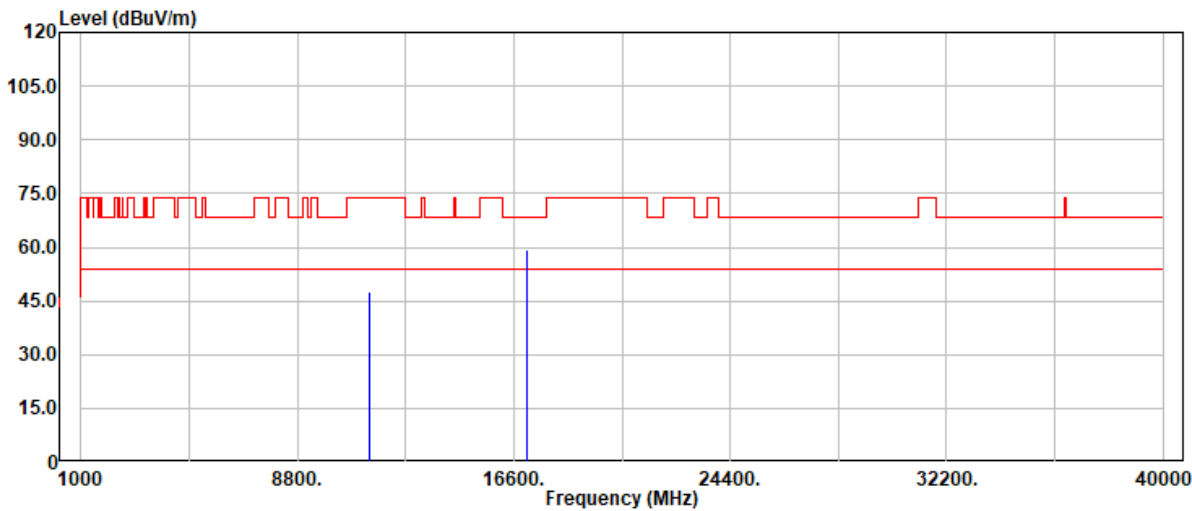
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11400.00	34.02	13.25	47.27	74.00	-26.73	Peak
11400.00	25.96	13.25	39.21	54.00	-14.79	Average
17100.00	32.57	26.40	58.97	68.20	-9.23	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-04
Operation Band	: 802.11n20_Band3	Temp./Humi.	: 24.4/58
Frequency	: 5700 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 17.25		



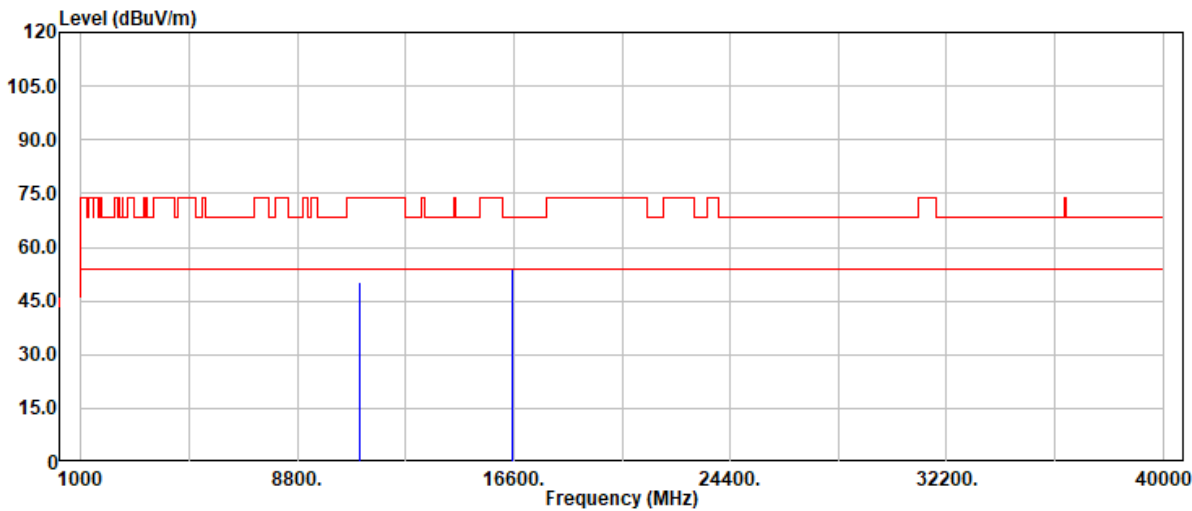
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11400.00	34.20	13.25	47.45	74.00	-26.55	Peak
11400.00	26.18	13.25	39.43	54.00	-14.57	Average
17100.00	33.11	26.40	59.51	68.20	-8.69	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11n40_Band3	Temp./Humi.	: 24.3/57
Frequency	: 5510 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 15.5		



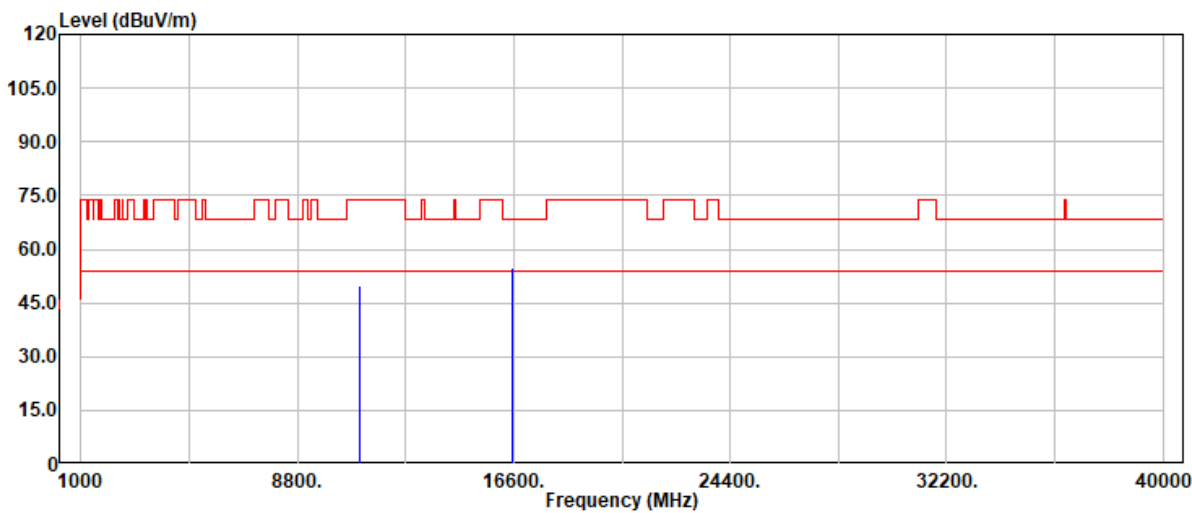
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11020.00	36.11	14.32	50.43	74.00	-23.57	Peak
11020.00	26.82	14.32	41.14	54.00	-12.86	Average
16530.00	33.99	19.81	53.80	68.20	-14.40	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11n40_Band3	Temp./Humi.	: 24.3/57
Frequency	: 5510 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 15.5		



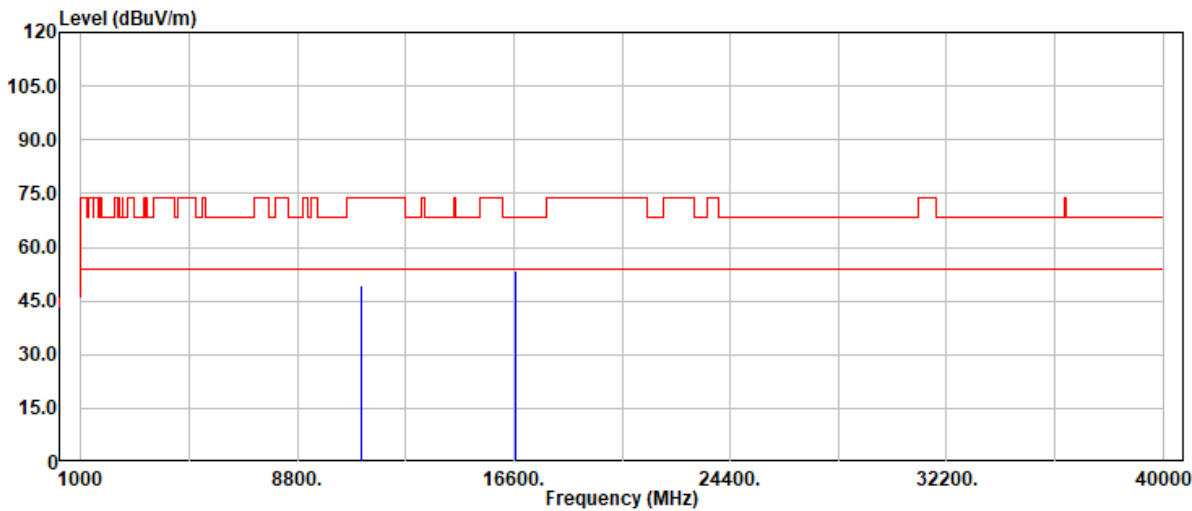
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11020.00	35.46	14.32	49.78	74.00	-24.22	Peak
11020.00	26.81	14.32	41.13	54.00	-12.87	Average
16530.00	34.99	19.81	54.80	68.20	-13.40	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11n40_Band3	Temp./Humi.	: 24.3/57
Frequency	: 5550 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 24		



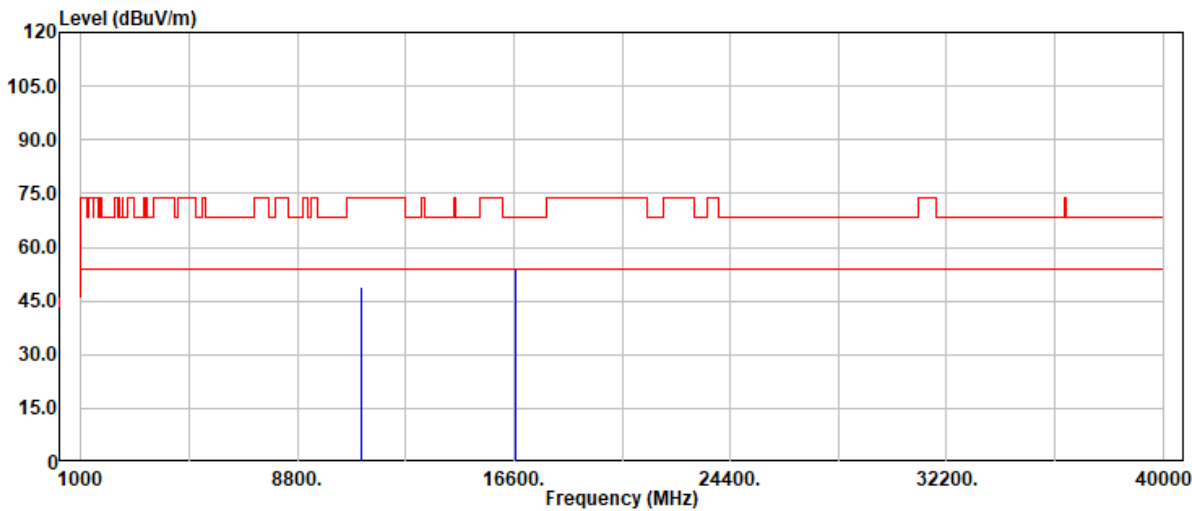
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11100.00	35.42	13.98	49.40	74.00	-24.60	Peak
11100.00	26.96	13.98	40.94	54.00	-13.06	Average
16650.00	33.09	20.54	53.63	68.20	-14.57	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11n40_Band3	Temp./Humi.	: 24.3/57
Frequency	: 5550 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 24		



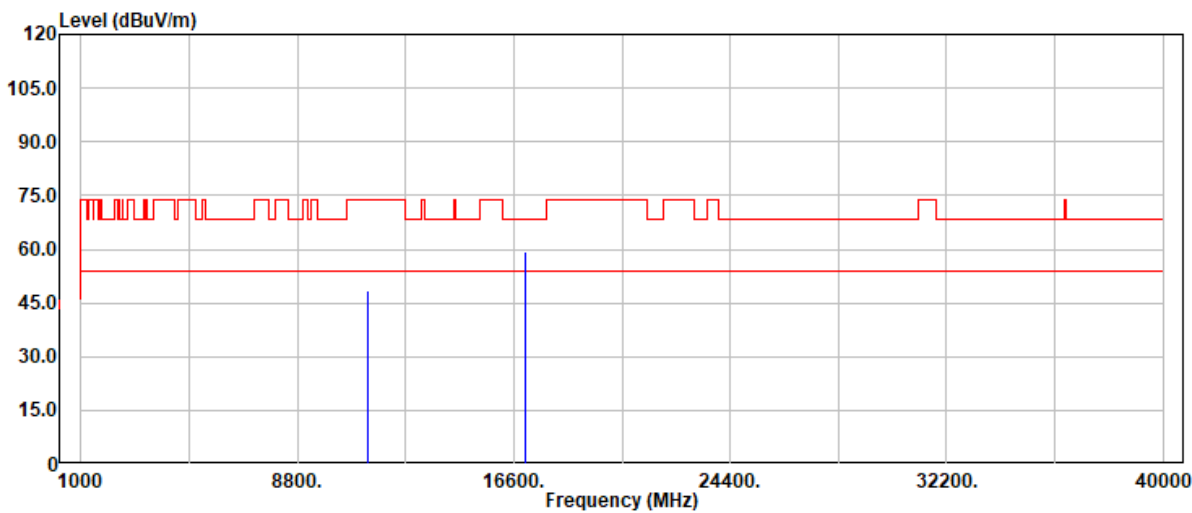
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11100.00	35.01	13.98	48.99	74.00	-25.01	Peak
11100.00	26.62	13.98	40.60	54.00	-13.40	Average
16650.00	33.29	20.54	53.83	68.20	-14.37	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11n40_Band3	Temp./Humi.	: 24.3/57
Frequency	: 5670 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 18.5		



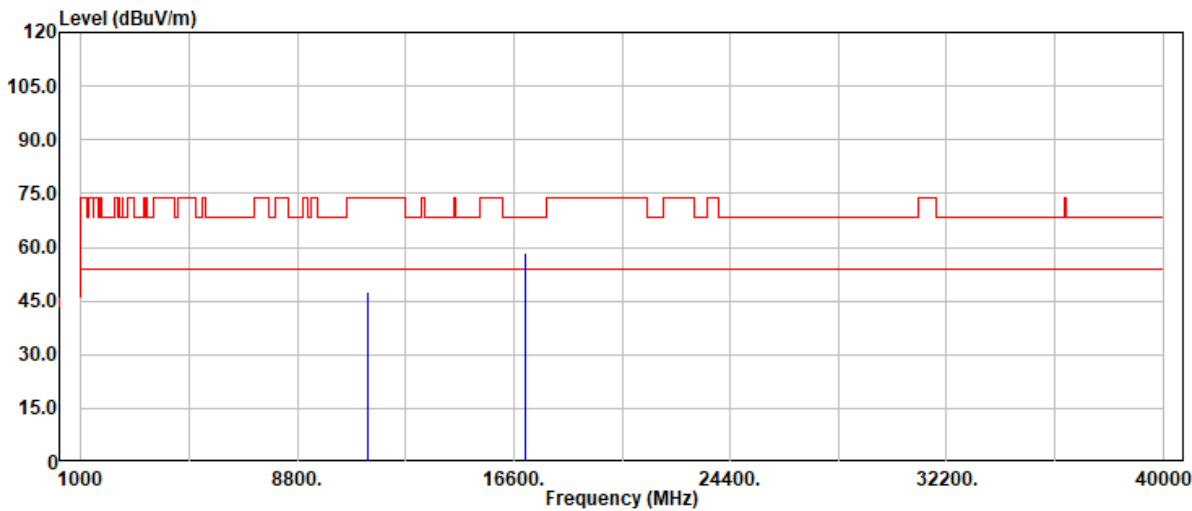
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11340.00	34.88	13.41	48.29	74.00	-25.71	Peak
11340.00	26.30	13.41	39.71	54.00	-14.29	Average
17010.00	34.29	24.99	59.28	68.20	-8.92	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11n40_Band3	Temp./Humi.	: 24.3/57
Frequency	: 5670 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 18.5		



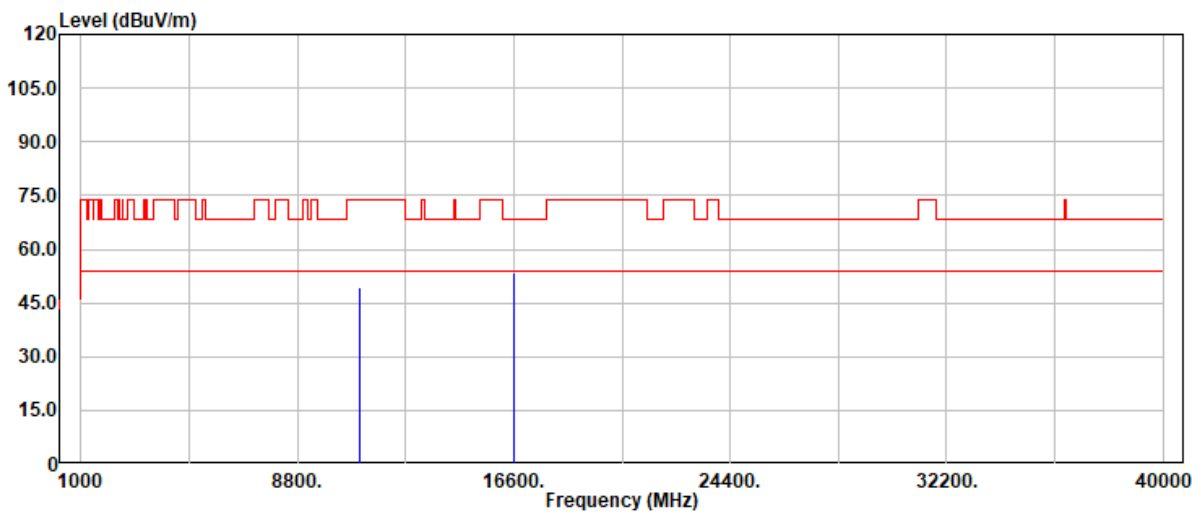
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11340.00	34.11	13.41	47.52	74.00	-26.48	Peak
11340.00	26.45	13.41	39.86	54.00	-14.14	Average
17010.00	33.55	24.99	58.54	68.20	-9.66	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11ac80_Band3	Temp./Humi.	: 24.3/57
Frequency	: 5530 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 14.5		



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11060.00	35.24	14.23	49.47	74.00	-24.53	Peak
11060.00	27.12	14.23	41.35	54.00	-12.65	Average
16590.00	33.65	19.89	53.54	68.20	-14.66	Peak

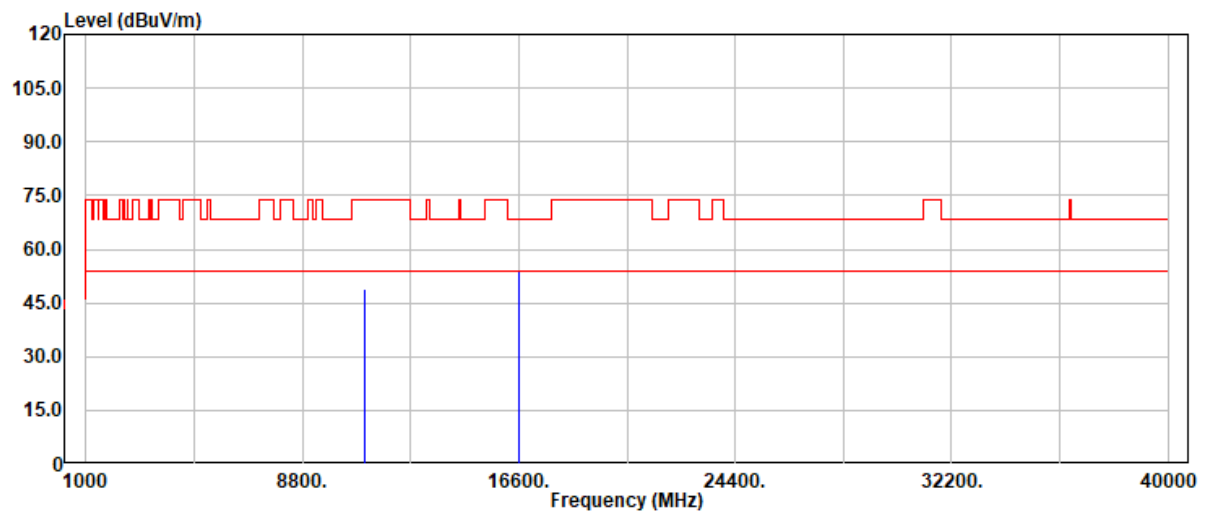


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Project No : TM-2412000356P
Operation Band : 802.11ac80_Band3
Frequency : 5530 MHz
Operation Mode : TX
EUT Pol : H
Setting : 14.5

Test Date : 2025-02-05
Temp./Humi. : 24.3/57
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11060.00	34.82	14.23	49.05	74.00	-24.95	Peak
11060.00	26.88	14.23	41.11	54.00	-12.89	Average
16590.00	34.14	19.89	54.03	68.20	-14.17	Peak

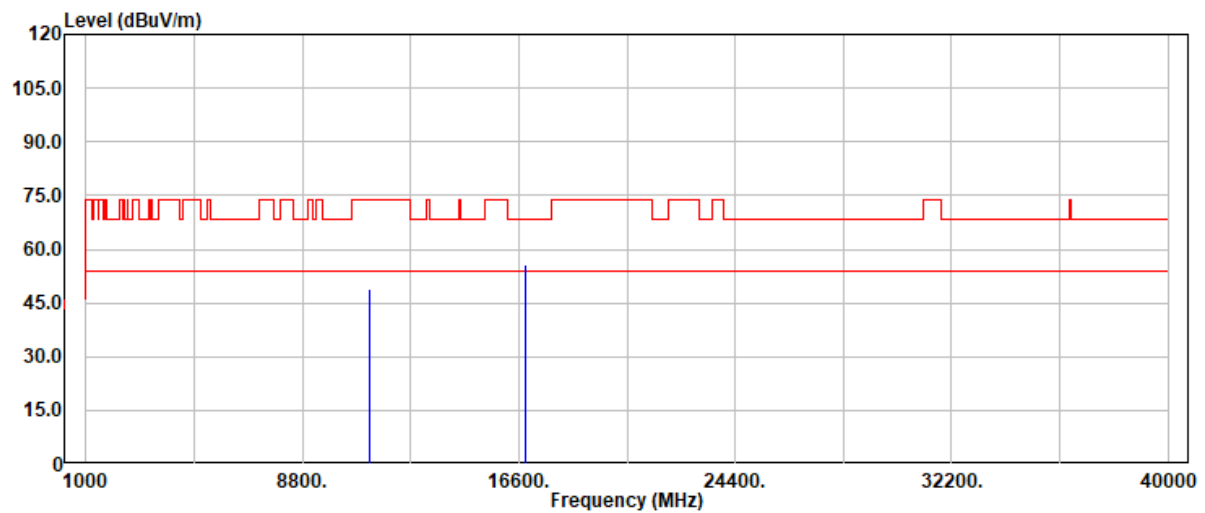


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Project No : TM-2412000356P
Operation Band : 802.11ac80_Band3
Frequency : 5610 MHz
Operation Mode : TX
EUT Pol : H
Setting : 14.5

Test Date : 2025-02-05
Temp./Humi. : 24.3/57
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



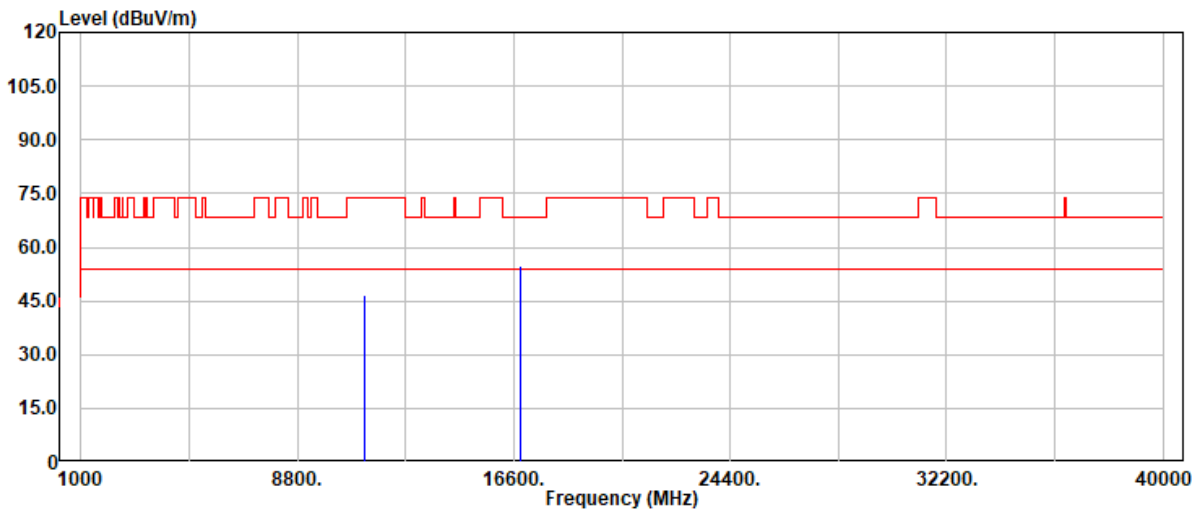
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11220.00	34.87	13.88	48.75	74.00	-25.25	Peak
11220.00	26.75	13.88	40.63	54.00	-13.37	Average
16830.00	33.52	22.18	55.70	68.20	-12.50	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11ac80_Band3	Temp./Humi.	: 24.3/57
Frequency	: 5610 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 14.5		



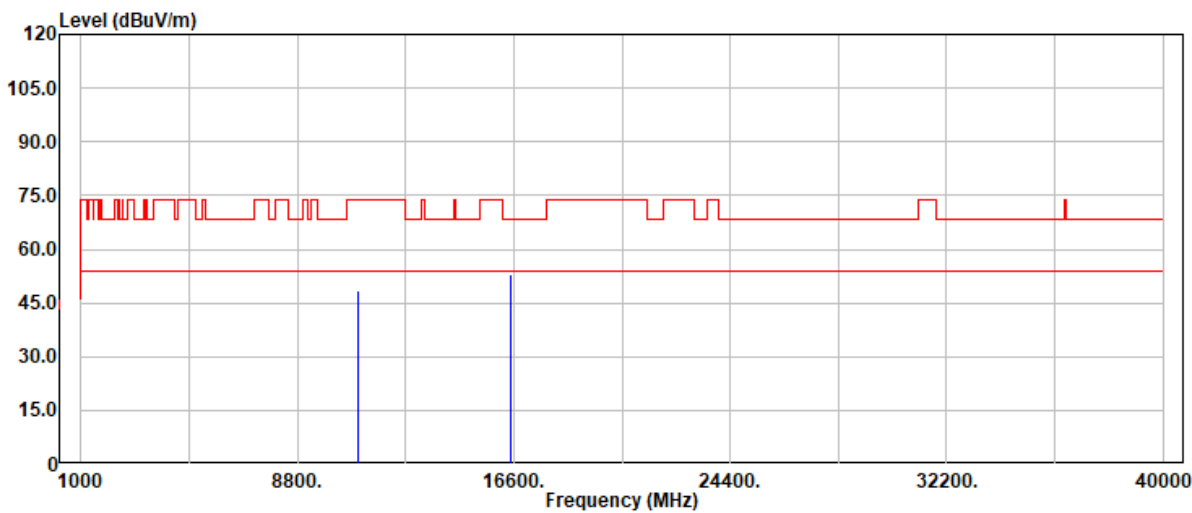
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11220.00	32.78	13.88	46.66	74.00	-27.34	Peak
11220.00	26.52	13.88	40.40	54.00	-13.60	Average
16830.00	32.50	22.18	54.68	68.20	-13.52	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11ax20_Band3	Temp./Humi.	: 24.3/57
Frequency	: 5500 MHz	Antenna Pol.	: Vertical
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 20.5		



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11000.00	34.06	14.35	48.41	74.00	-25.59	Peak
11000.00	28.04	14.35	42.39	54.00	-11.61	Average
16500.00	32.99	19.87	52.86	68.20	-15.34	Peak

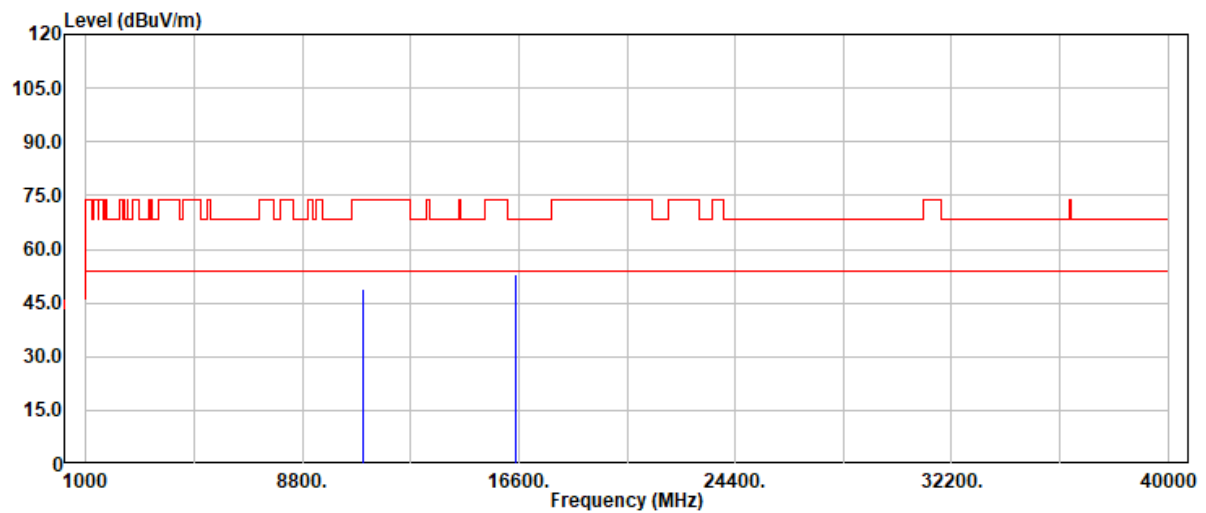


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Project No : TM-2412000356P
Operation Band : 802.11ax20_Band3
Frequency : 5500 MHz
Operation Mode : TX
EUT Pol : H
Setting : 20.5

Test Date : 2025-02-05
Temp./Humi. : 24.3/57
Antenna Pol. : Horizontal
Engineer : Tony.Chao
Test Chamber : 966A



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11000.00	34.46	14.35	48.81	74.00	-25.19	Peak
11000.00	28.04	14.35	42.39	54.00	-11.61	Average
16500.00	33.30	19.87	53.17	68.20	-15.03	Peak

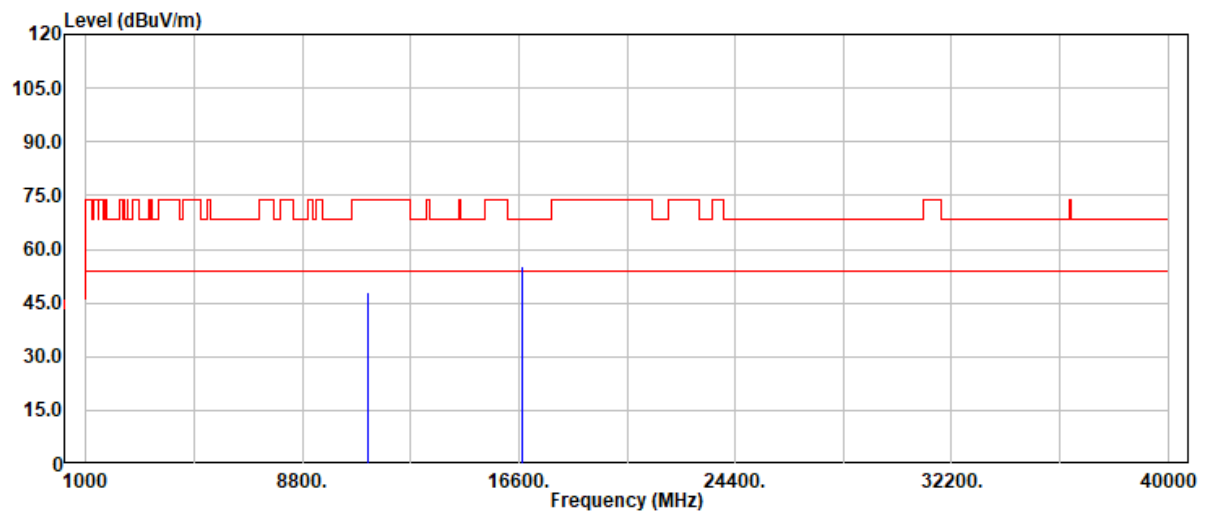


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Project No : TM-2412000356P
Operation Band : 802.11ax20_Band3
Frequency : 5580 MHz
Operation Mode : TX
EUT Pol : H
Setting : 24

Test Date : 2025-02-05
Temp./Humi. : 24.3/57
Antenna Pol. : Vertical
Engineer : Tony.Chao
Test Chamber : 966A



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11160.00	33.86	13.93	47.79	74.00	-26.21	Peak
11160.00	28.09	13.93	42.02	54.00	-11.98	Average
16740.00	33.72	21.61	55.33	68.20	-12.87	Peak

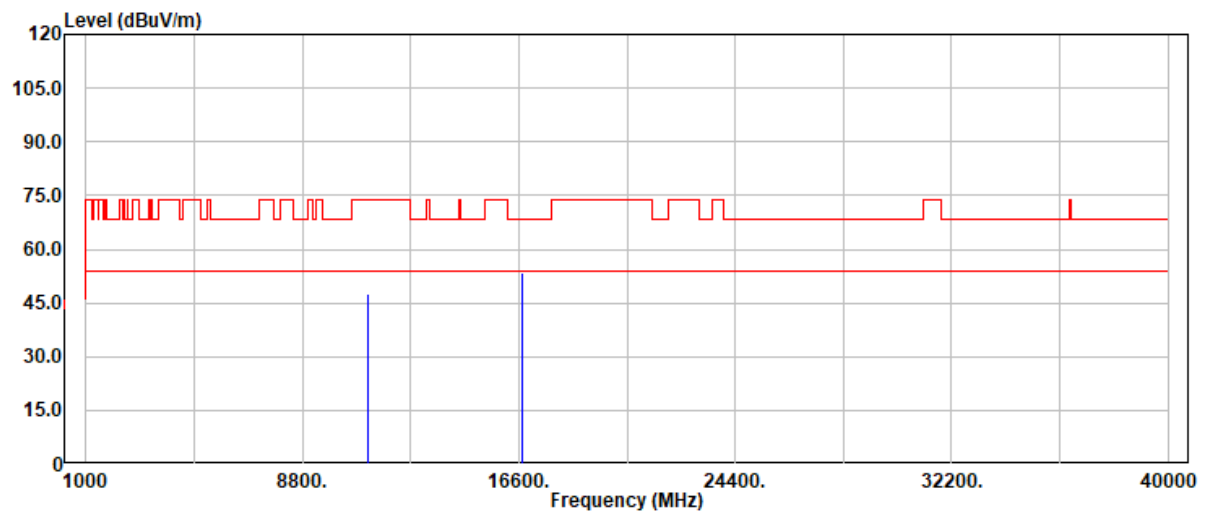


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Project No : TM-2412000356P
Operation Band : 802.11ax20_Band3
Frequency : 5580 MHz
Operation Mode : TX
EUT Pol : H
Setting : 24

Test Date : 2025-02-05
Temp./Humi. : 24.3/57
Antenna Pol. : Horizontal
Engineer : Tony.Chao
Test Chamber : 966A



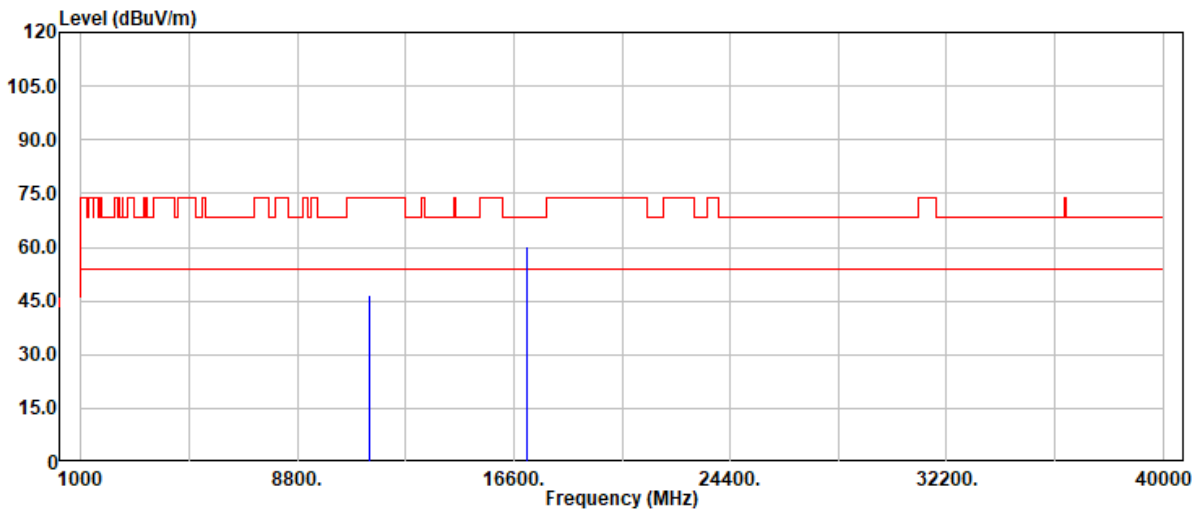
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11160.00	33.75	13.93	47.68	74.00	-26.32	Peak
11160.00	27.75	13.93	41.68	54.00	-12.32	Average
16740.00	32.00	21.61	53.61	68.20	-14.59	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11ax20_Band3	Temp./Humi.	: 24.3/57
Frequency	: 5700 MHz	Antenna Pol.	: Vertical
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 18.5		



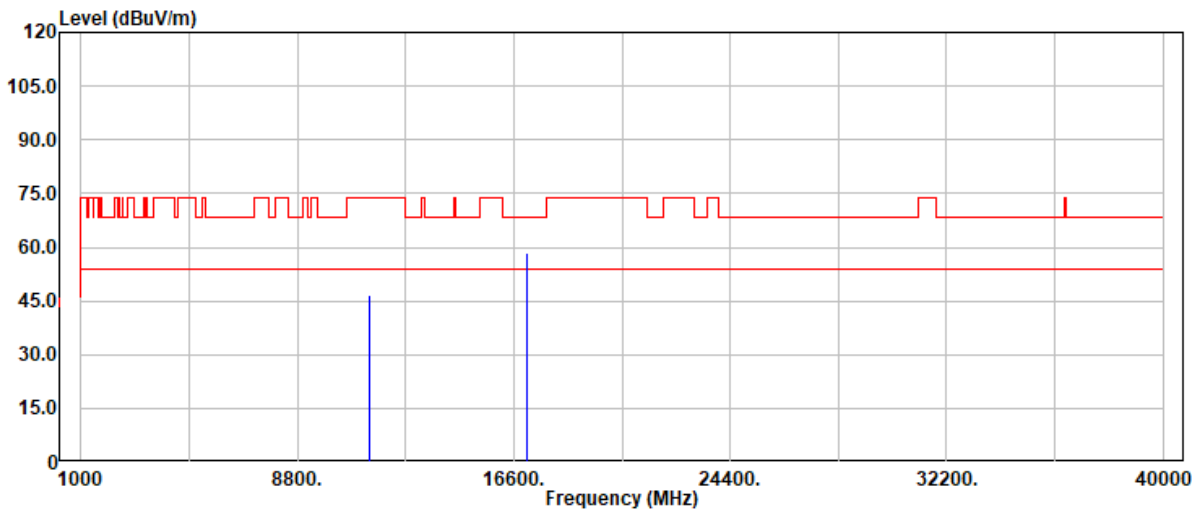
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11400.00	33.53	13.25	46.78	74.00	-27.22	Peak
11400.00	27.77	13.25	41.02	54.00	-12.98	Average
17100.00	33.89	26.40	60.29	68.20	-7.91	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11ax20_Band3	Temp./Humi.	: 24.3/57
Frequency	: 5700 MHz	Antenna Pol.	: Horizontal
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 18.5		



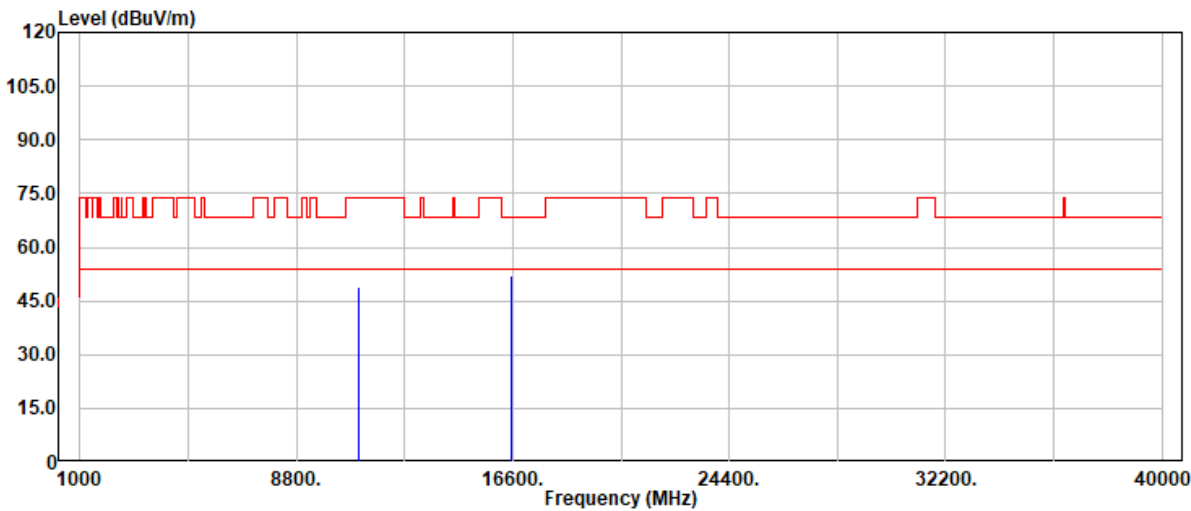
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11400.00	33.29	13.25	46.54	74.00	-27.46	Peak
11400.00	27.71	13.25	40.96	54.00	-13.04	Average
17100.00	31.92	26.40	58.32	68.20	-9.88	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11ax40_Band3	Temp./Humi.	: 24.3/57
Frequency	: 5510 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 17.5		



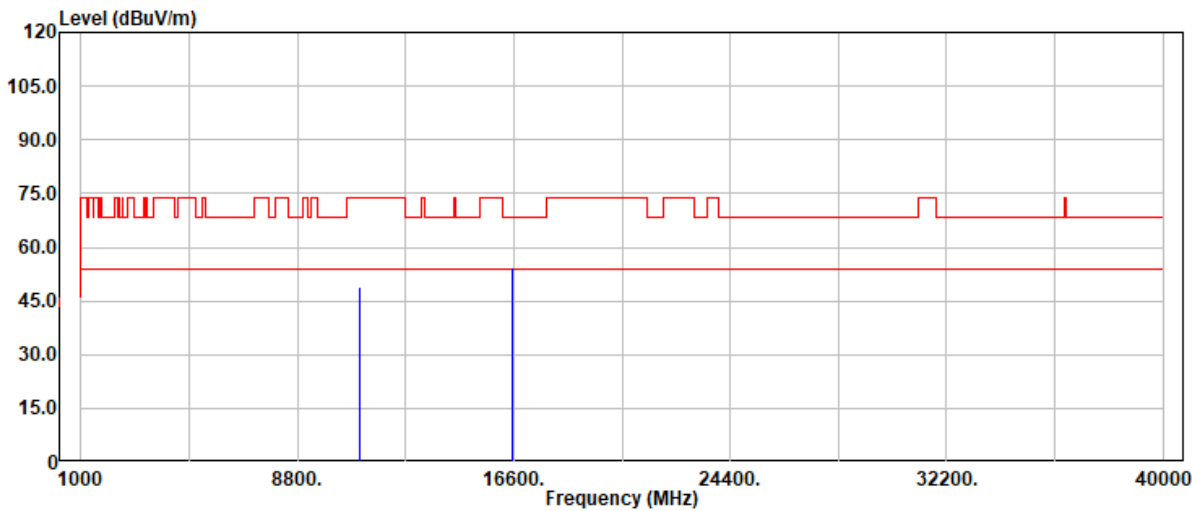
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11020.00	34.41	14.32	48.73	74.00	-25.27	Peak
11020.00	26.37	14.32	40.69	54.00	-13.31	Average
16530.00	32.08	19.81	51.89	68.20	-16.31	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11ax40_Band3	Temp./Humi.	: 24.3/57
Frequency	: 5510 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 17.5		



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11020.00	34.63	14.32	48.95	74.00	-25.05	Peak
11020.00	27.24	14.32	41.56	54.00	-12.44	Average
16530.00	34.68	19.81	54.49	68.20	-13.71	Peak

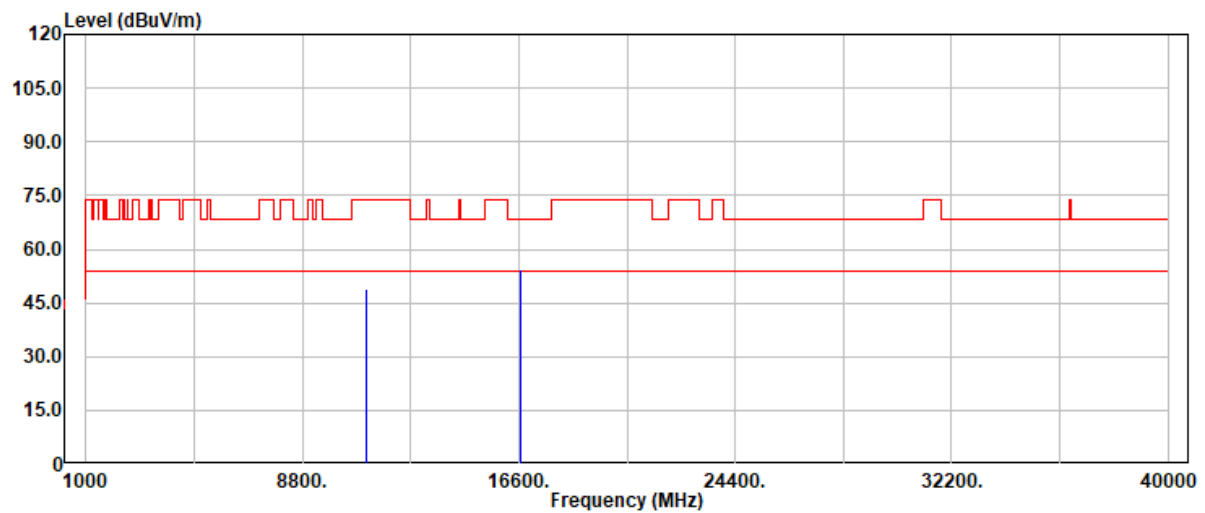


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Project No : TM-2412000356P
Operation Band : 802.11ax40_Band3
Frequency : 5550 MHz
Operation Mode : TX
EUT Pol : H
Setting : 24

Test Date : 2025-02-05
Temp./Humi. : 24.3/57
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11100.00	34.79	13.98	48.77	74.00	-25.23	Peak
11100.00	27.48	13.98	41.46	54.00	-12.54	Average
16650.00	33.58	20.54	54.12	68.20	-14.08	Peak

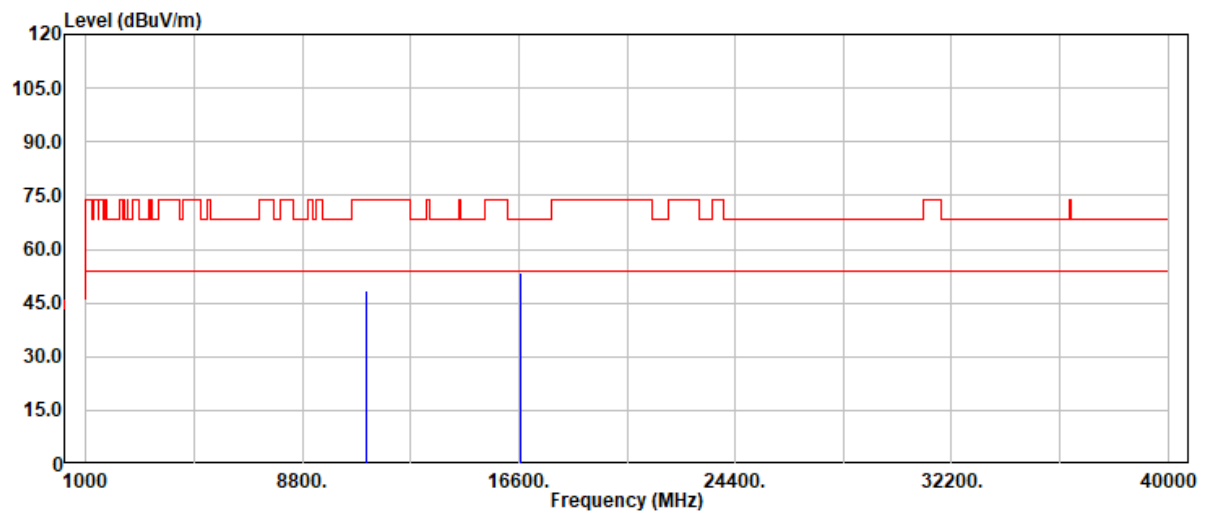


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Project No : TM-2412000356P
Operation Band : 802.11ax40_Band3
Frequency : 5550 MHz
Operation Mode : TX
EUT Pol : H
Setting : 24

Test Date : 2025-02-05
Temp./Humi. : 24.3/57
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



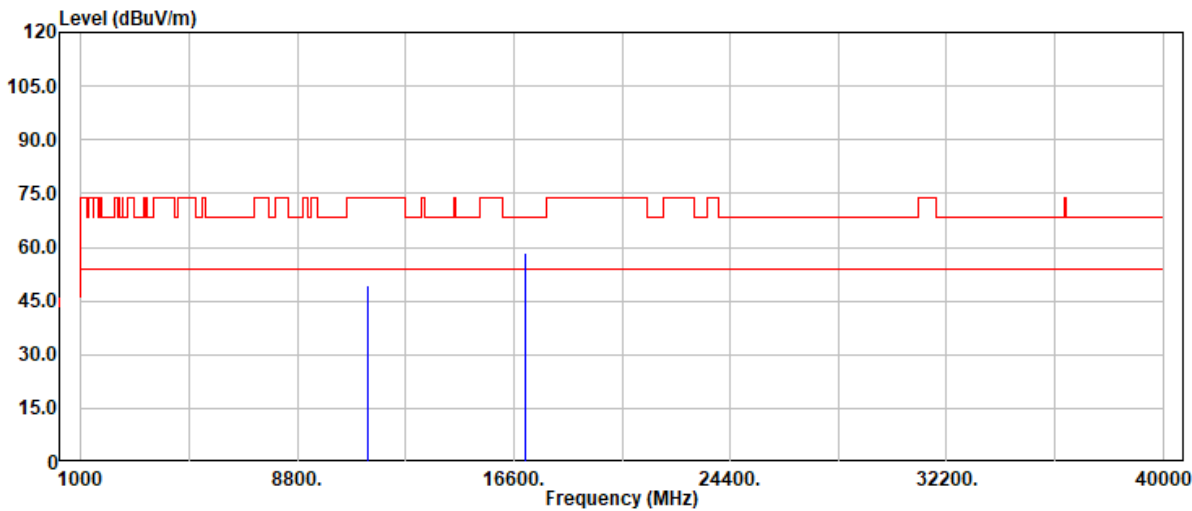
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11100.00	34.59	13.98	48.57	74.00	-25.43	Peak
11100.00	26.60	13.98	40.58	54.00	-13.42	Average
16650.00	32.99	20.54	53.53	68.20	-14.67	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11ax40_Band3	Temp./Humi.	: 24.3/57
Frequency	: 5670 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 18.5		



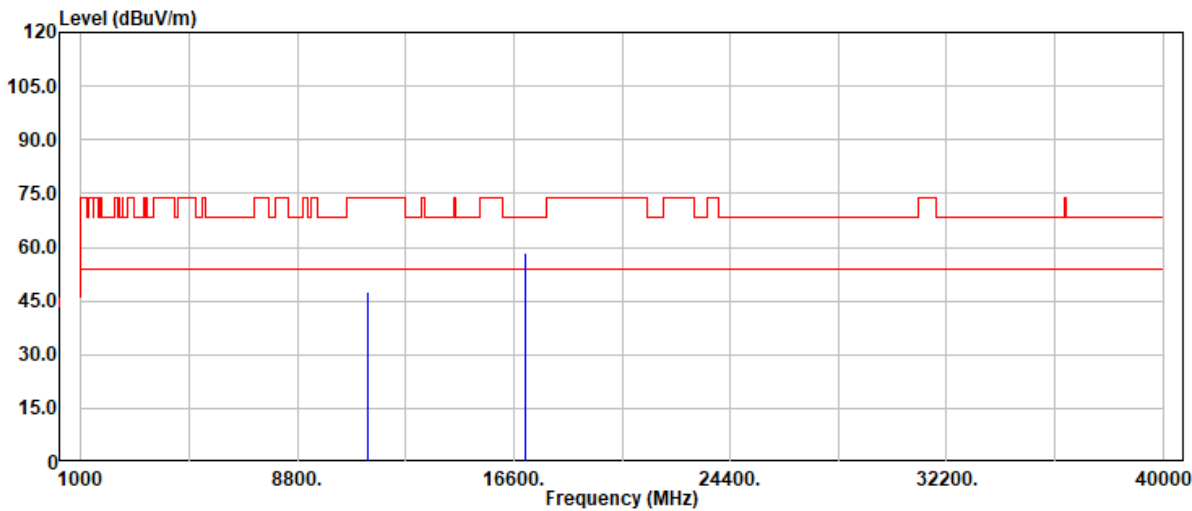
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11340.00	36.00	13.41	49.41	74.00	-24.59	Peak
11340.00	26.05	13.41	39.46	54.00	-14.54	Average
17010.00	33.37	24.99	58.36	68.20	-9.84	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11ax40_Band3	Temp./Humi.	: 24.3/57
Frequency	: 5670 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 18.5		



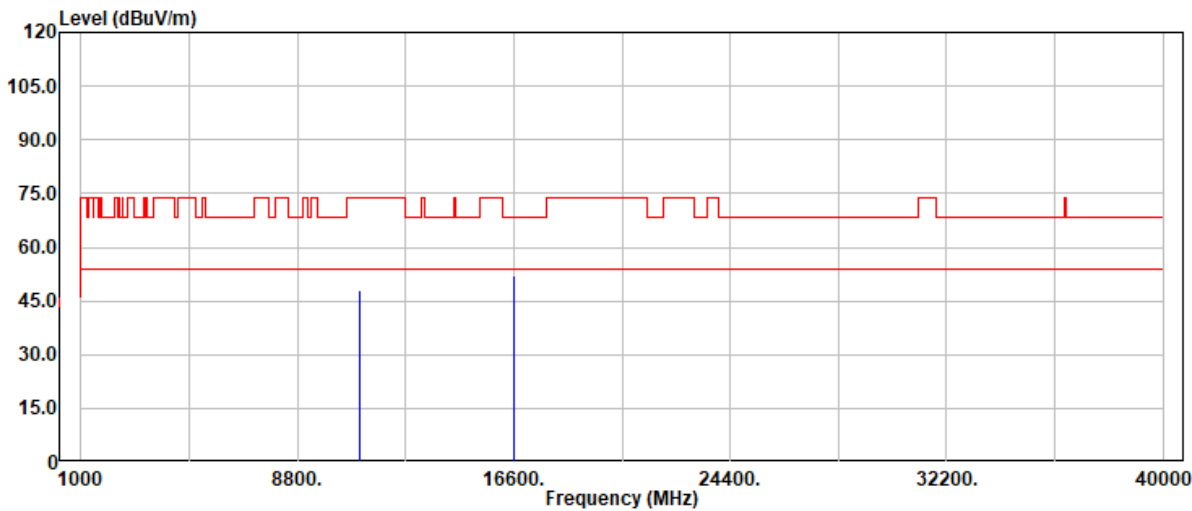
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11340.00	34.13	13.41	47.54	74.00	-26.46	Peak
11340.00	26.53	13.41	39.94	54.00	-14.06	Average
17010.00	33.34	24.99	58.33	68.20	-9.87	Peak



Project No: TM-2412000356P
Report No.: TMWK2412004718KR

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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11ax80_Band3	Temp./Humi.	: 24.3/57
Frequency	: 5530 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 15.5		



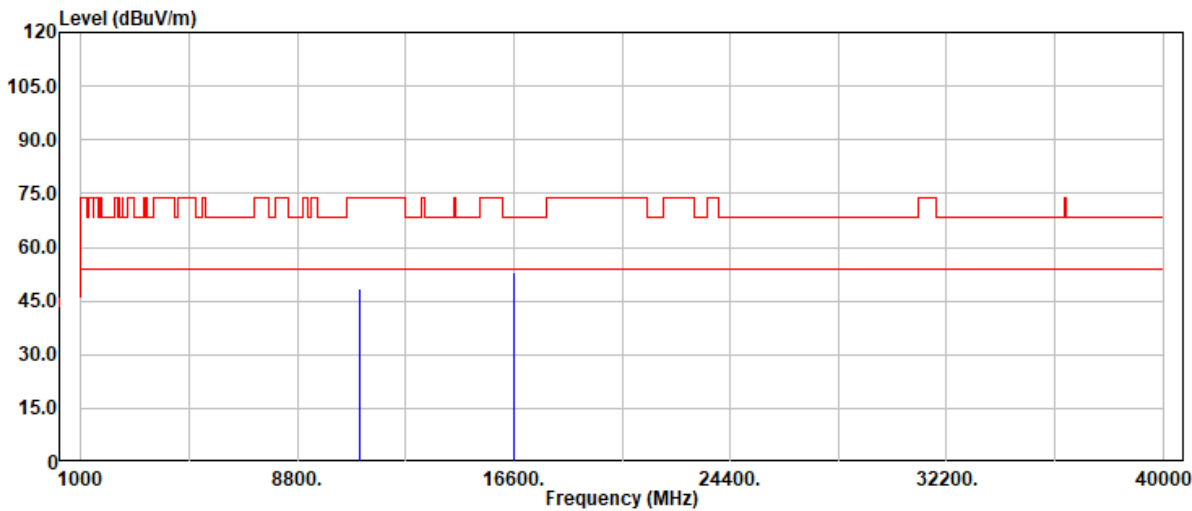
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11060.00	33.72	14.23	47.95	74.00	-26.05	Peak
11060.00	27.01	14.23	41.24	54.00	-12.76	Average
16590.00	32.25	19.89	52.14	68.20	-16.06	Peak



Project No: TM-2412000356P
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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11ax80_Band3	Temp./Humi.	: 24.3/57
Frequency	: 5530 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 15.5		



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11060.00	34.42	14.23	48.65	74.00	-25.35	Peak
11060.00	26.99	14.23	41.22	54.00	-12.78	Average
16590.00	32.98	19.89	52.87	68.20	-15.33	Peak

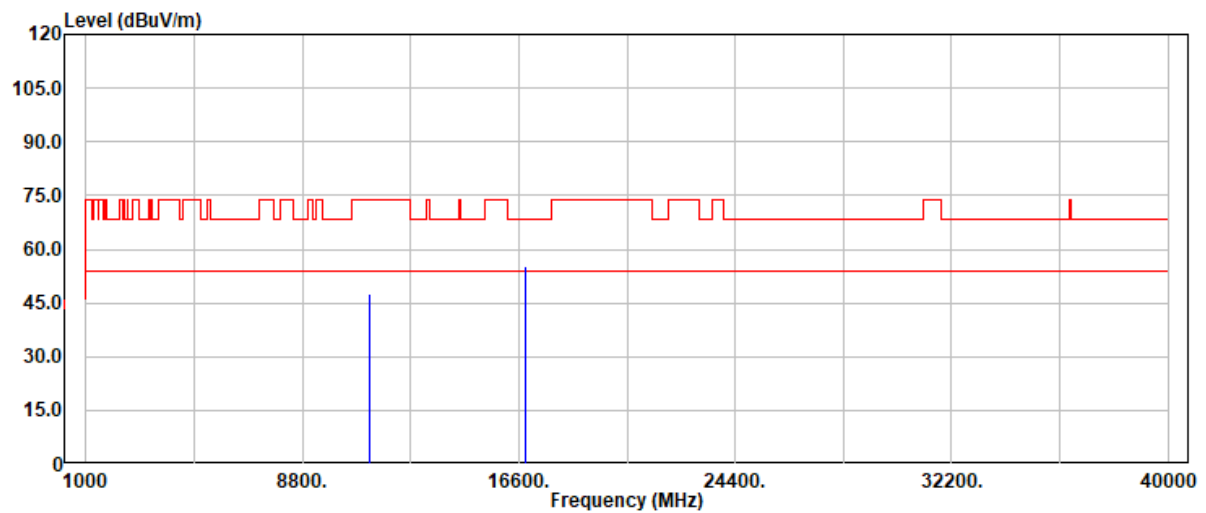


Project No: TM-2412000356P
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Project No : TM-2412000356P
Operation Band : 802.11ax80_Band3
Frequency : 5610 MHz
Operation Mode : TX
EUT Pol : H
Setting : 19

Test Date : 2025-02-05
Temp./Humi. : 24.3/57
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11220.00	33.59	13.88	47.47	74.00	-26.53	Peak
11220.00	26.51	13.88	40.39	54.00	-13.61	Average
16830.00	33.09	22.18	55.27	68.20	-12.93	Peak

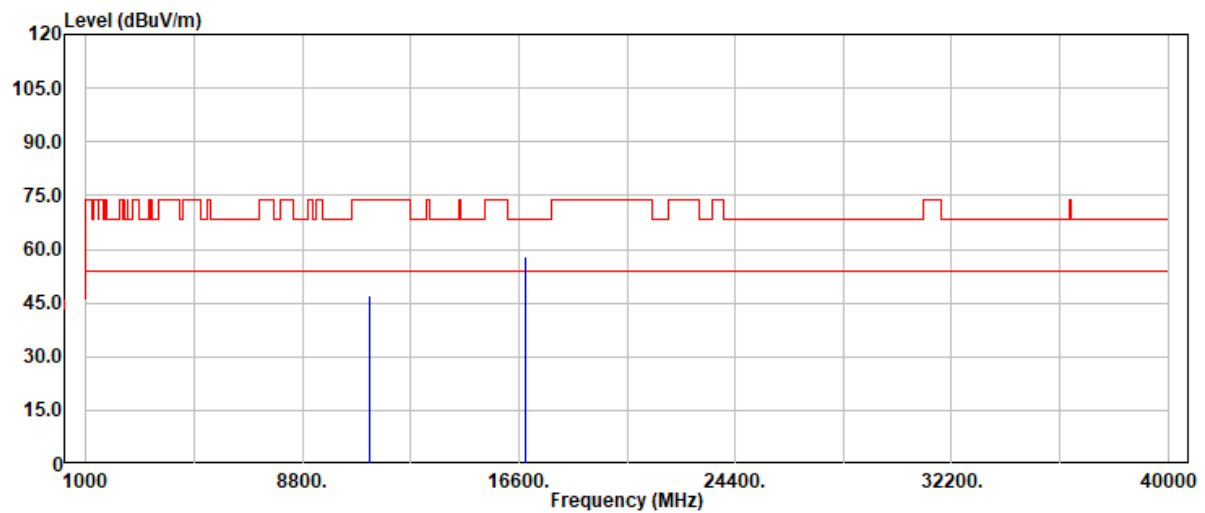


Project No: TM-2412000356P
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Project No : TM-2412000356P
Operation Band : 802.11ax80_Band3
Frequency : 5610 MHz
Operation Mode : TX
EUT Pol : H
Setting : 19

Test Date : 2025-02-05
Temp./Humi. : 24.3/57
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11220.00	33.31	13.88	47.19	74.00	-26.81	Peak
11220.00	26.89	13.88	40.77	54.00	-13.23	Average
16830.00	35.71	22.18	57.89	68.20	-10.31	Peak

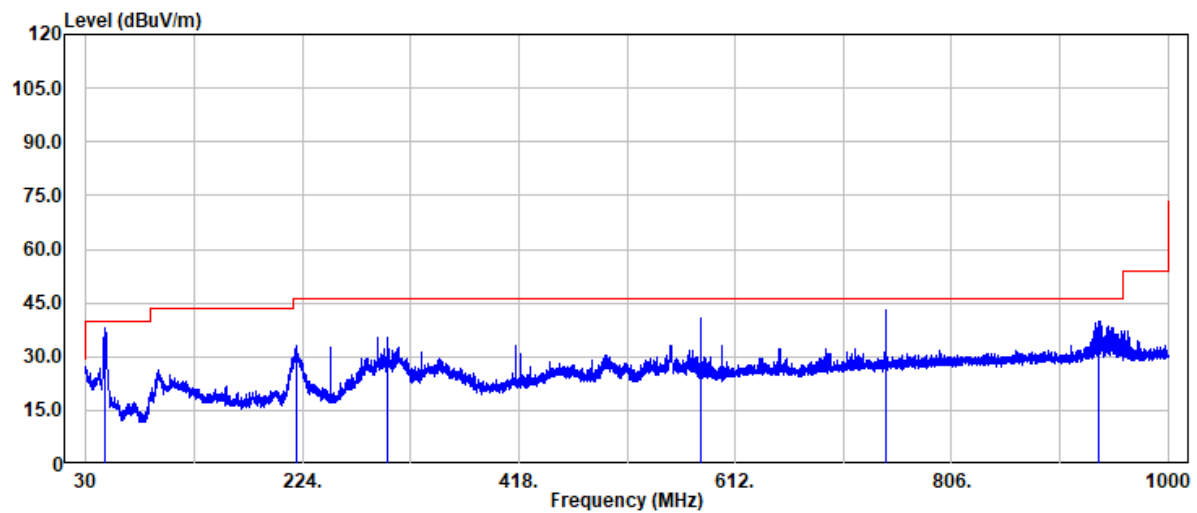


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Project No : TM-2412000356P
Operation Band : 802.11ac80_Band4
Frequency : 5775 MHz
Operation Mode : TX
EUT Pol : H
Setting :

Test Date : 2025-02-18
Temp./Humi. : 24.5/57
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
46.80	52.67	-14.67	38.00	40.00	-2.00	Peak
218.80	45.69	-12.55	33.14	46.00	-12.86	Peak
301.00	44.83	-9.32	35.51	46.00	-10.49	Peak
581.00	44.11	-3.24	40.87	46.00	-5.13	Peak
747.00	43.22	-0.33	42.89	46.00	-3.11	Peak
938.20	37.53	2.45	39.98	46.00	-6.02	Peak

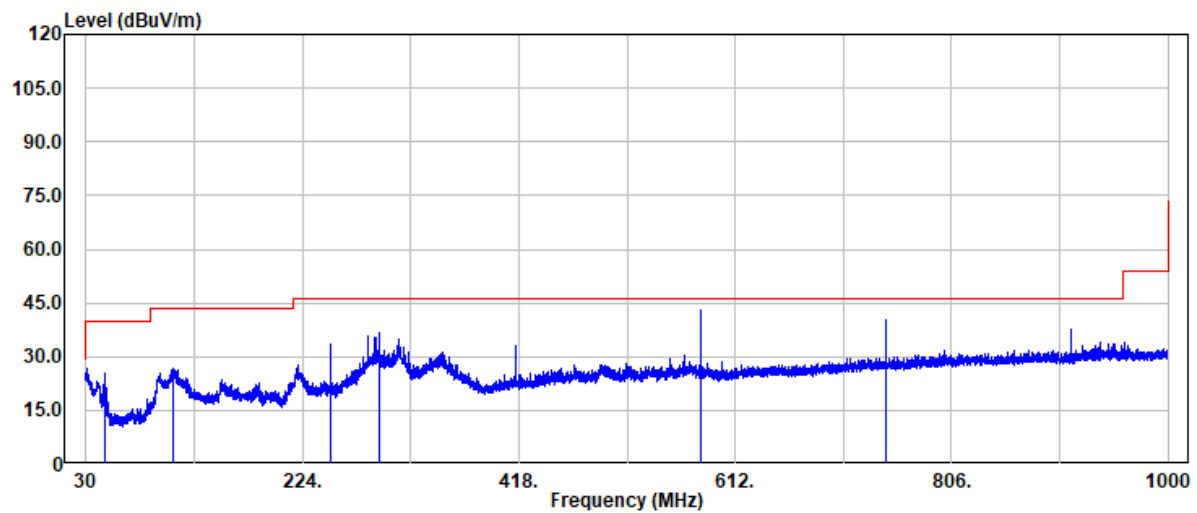


Project No: TM-2412000356P
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Project No : TM-2412000356P
Operation Band : 802.11ac80_Band4
Frequency : 5775 MHz
Operation Mode : TX
EUT Pol : H
Setting :

Test Date : 2025-02-18
Temp./Humi. : 24.5/57
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



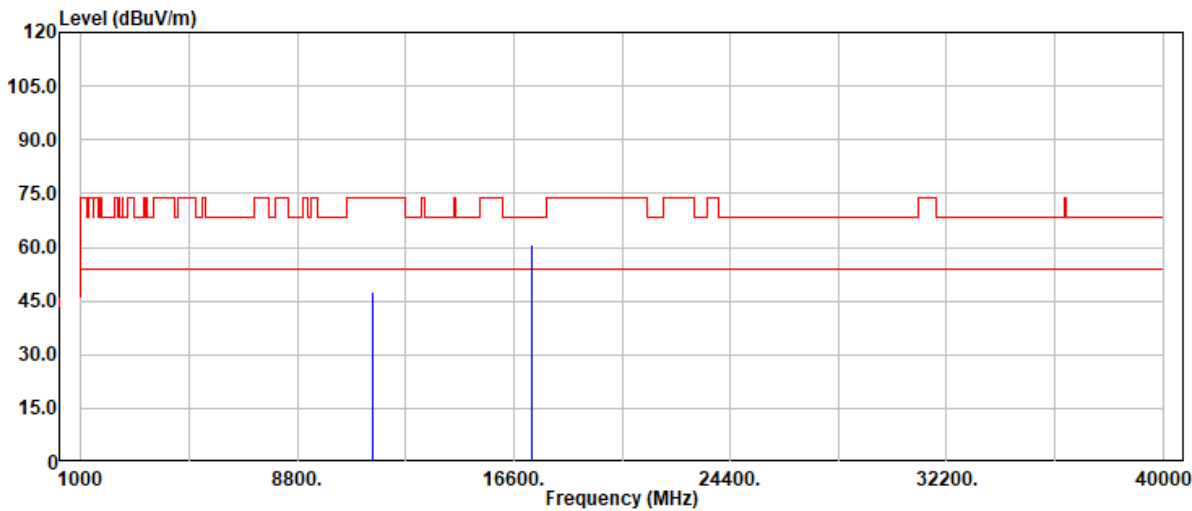
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
47.10	40.01	-14.83	25.18	40.00	-14.82	Peak
107.50	38.32	-11.67	26.65	43.50	-16.85	Peak
249.00	44.97	-11.40	33.57	46.00	-12.43	Peak
293.30	46.36	-9.51	36.85	46.00	-9.15	Peak
581.00	46.21	-3.24	42.97	46.00	-3.03	Peak
747.00	40.83	-0.33	40.50	46.00	-5.50	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-04
Operation Band	: 802.11a_Band4_CH0	Temp./Humi.	: 24.4/58
Frequency	: 5745 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 25		



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11490.00	34.77	12.94	47.71	74.00	-26.29	Peak
11490.00	27.64	12.94	40.58	54.00	-13.42	Average
17235.00	34.24	26.41	60.65	68.20	-7.55	Peak

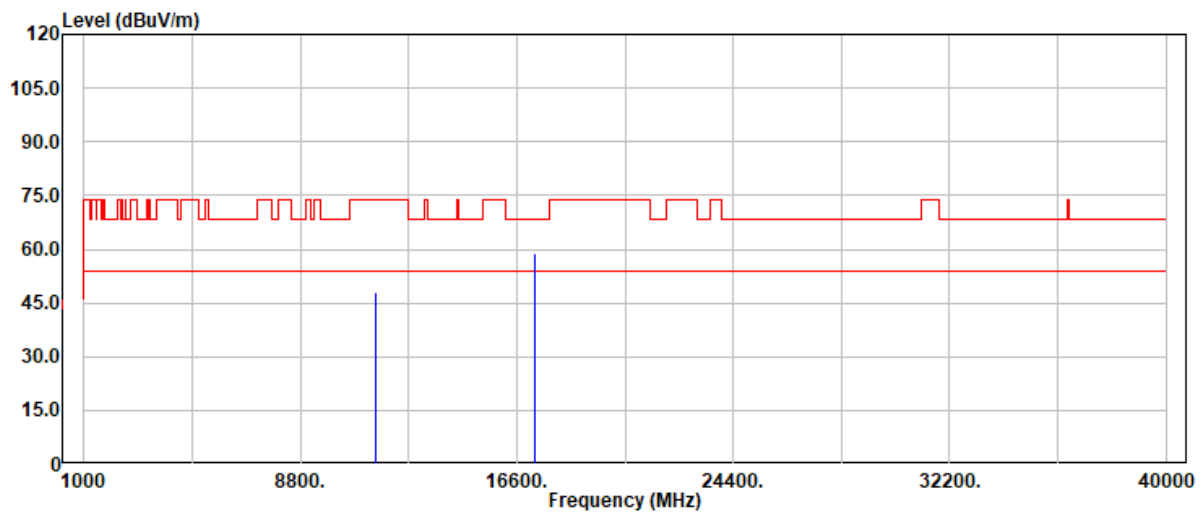


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Project No : TM-2412000356P
Operation Band : 802.11a_Band4_CH0
Frequency : 5745 MHz
Operation Mode : TX
EUT Pol : H
Setting : 25

Test Date : 2025-02-04
Temp./Humi. : 24.4/58
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11490.00	35.00	12.94	47.94	74.00	-26.06	Peak
11490.00	27.28	12.94	40.22	54.00	-13.78	Average
17235.00	32.61	26.41	59.02	68.20	-9.18	Peak

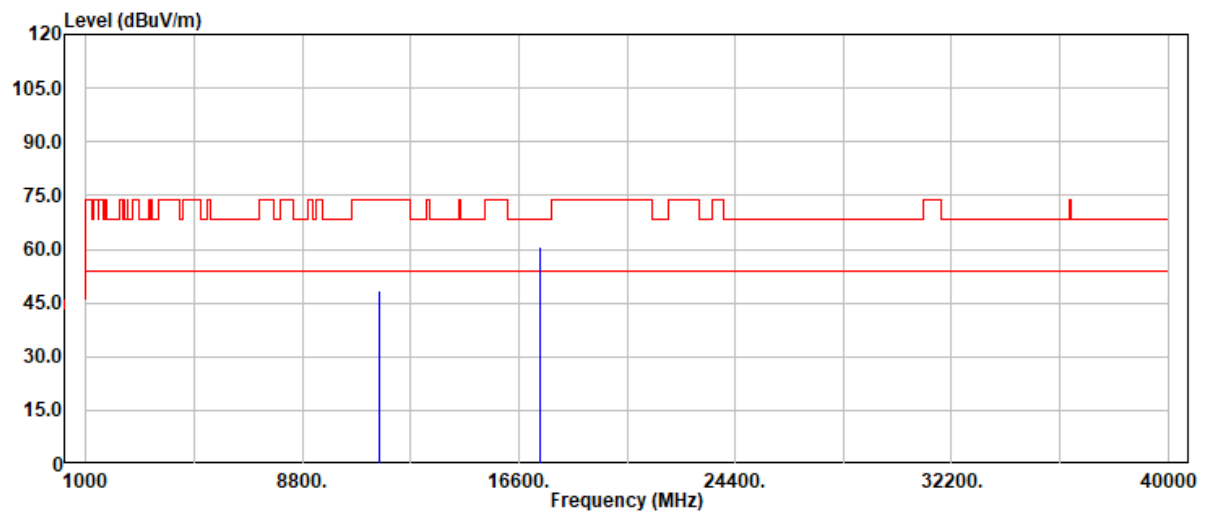


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Project No : TM-2412000356P
Operation Band : 802.11a_Band4_CH0
Frequency : 5785 MHz
Operation Mode : TX
EUT Pol : H
Setting : 25

Test Date : 2025-02-04
Temp./Humi. : 24.4/58
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



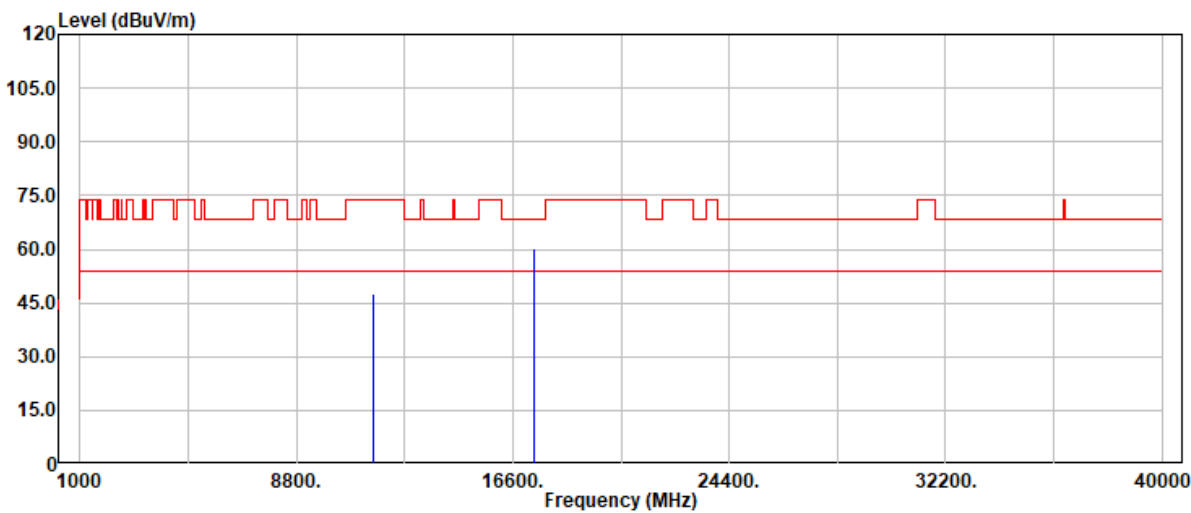
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11570.00	35.53	12.97	48.50	74.00	-25.50	Peak
11570.00	27.25	12.97	40.22	54.00	-13.78	Average
17355.00	34.37	26.34	60.71	68.20	-7.49	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-04
Operation Band	: 802.11a_Band4_CH0	Temp./Humi.	: 24.4/58
Frequency	: 5785 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 25		



Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11570.00	34.70	12.97	47.67	74.00	-26.33	Peak
11570.00	27.02	12.97	39.99	54.00	-14.01	Average
17355.00	33.76	26.34	60.10	68.20	-8.10	Peak

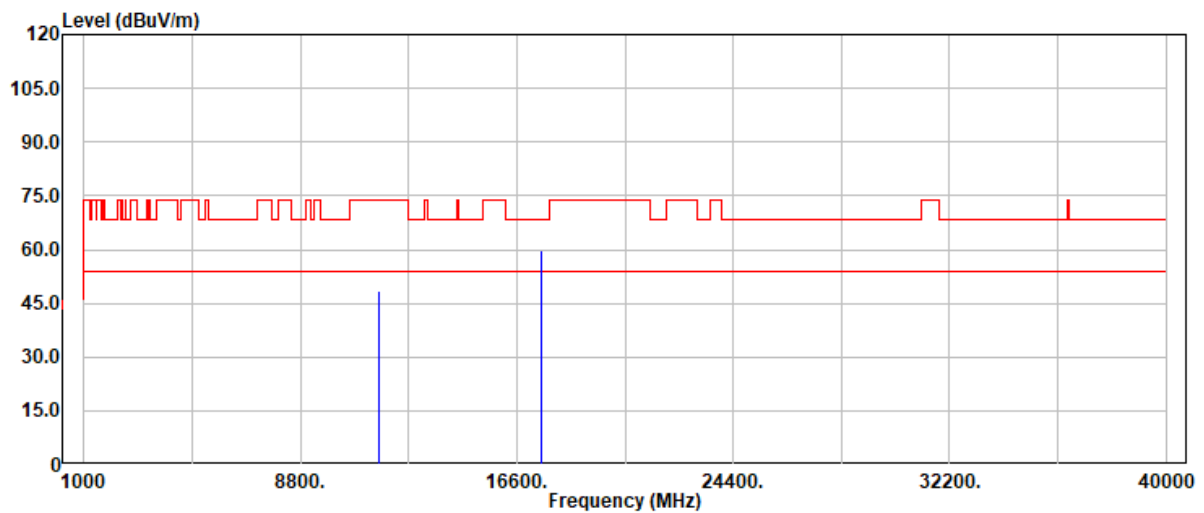


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Project No : TM-2412000356P
Operation Band : 802.11a_Band4_CH0
Frequency : 5825 MHz
Operation Mode : TX
EUT Pol : H
Setting : 25

Test Date : 2025-02-04
Temp./Humi. : 24.4/58
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11650.00	35.59	13.09	48.68	74.00	-25.32	Peak
11650.00	27.61	13.09	40.70	54.00	-13.30	Average
17475.00	33.73	25.89	59.62	68.20	-8.58	Peak

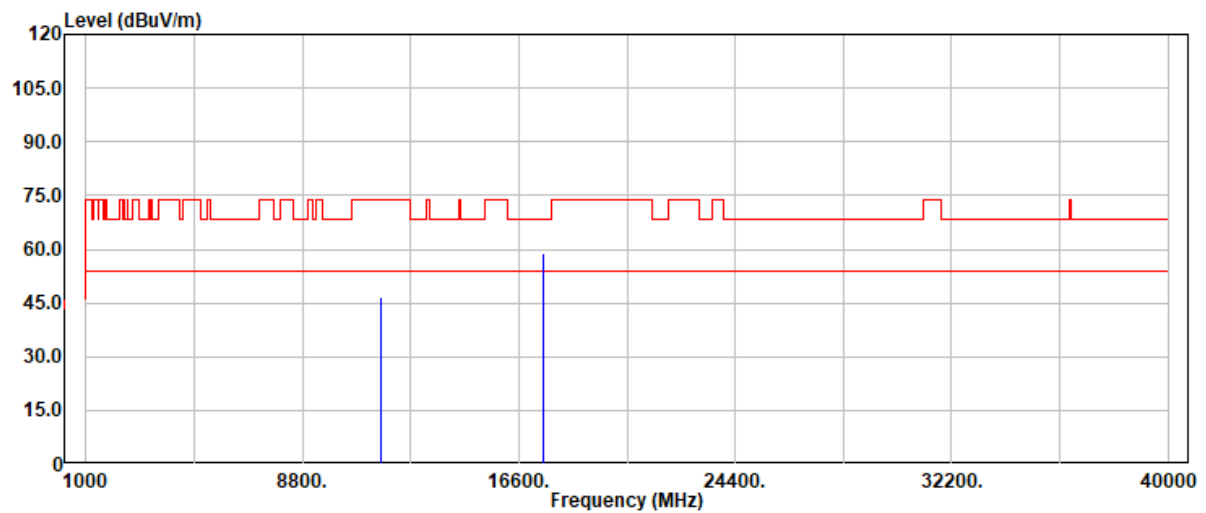


Project No: TM-2412000356P
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Project No : TM-2412000356P
Operation Band : 802.11a_Band4_CH0
Frequency : 5825 MHz
Operation Mode : TX
EUT Pol : H
Setting : 25

Test Date : 2025-02-04
Temp./Humi. : 24.4/58
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



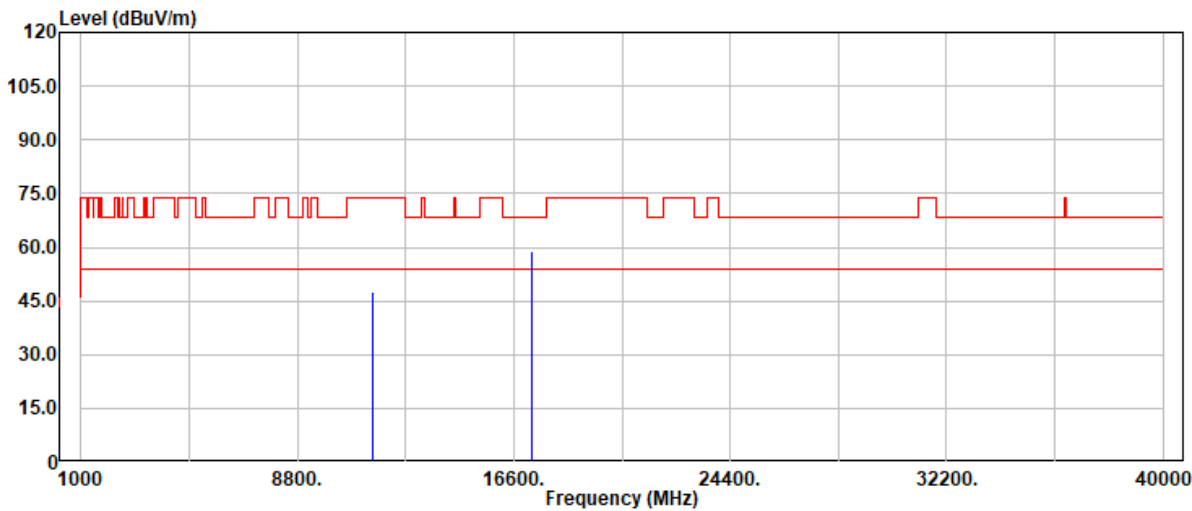
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11650.00	33.73	13.09	46.82	74.00	-27.18	Peak
11650.00	26.81	13.09	39.90	54.00	-14.10	Average
17475.00	33.00	25.89	58.89	68.20	-9.31	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-04
Operation Band	: 802.11n20_Band4	Temp./Humi.	: 24.4/58
Frequency	: 5745 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 20		



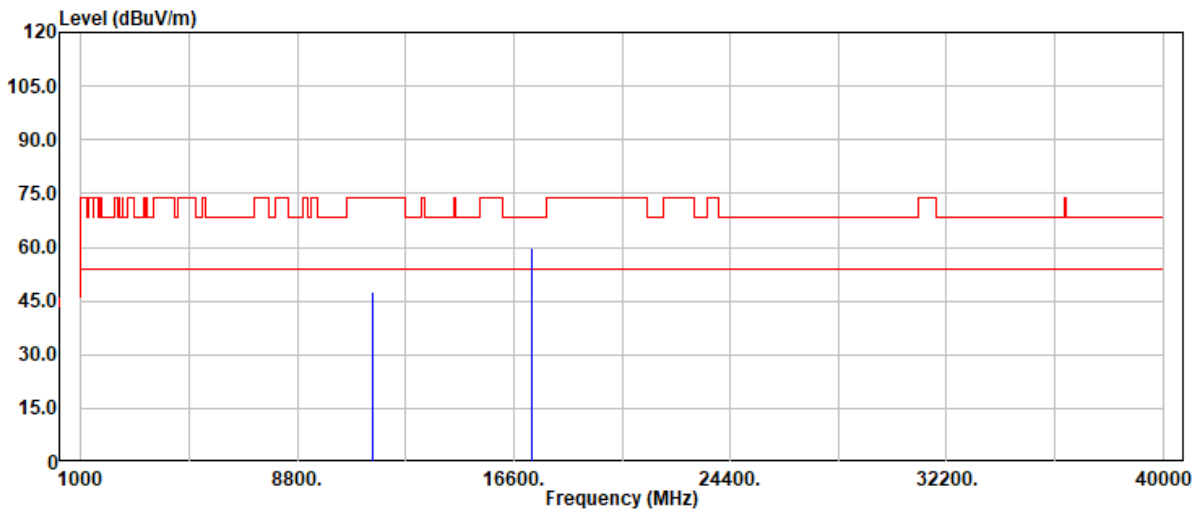
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11490.00	34.43	12.94	47.37	74.00	-26.63	Peak
11490.00	26.04	12.94	38.98	54.00	-15.02	Average
17235.00	32.65	26.41	59.06	68.20	-9.14	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-04
Operation Band	: 802.11n20_Band4	Temp./Humi.	: 24.4/58
Frequency	: 5745 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 20		



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11490.00	34.81	12.94	47.75	74.00	-26.25	Peak
11490.00	26.30	12.94	39.24	54.00	-14.76	Average
17235.00	33.32	26.41	59.73	68.20	-8.47	Peak

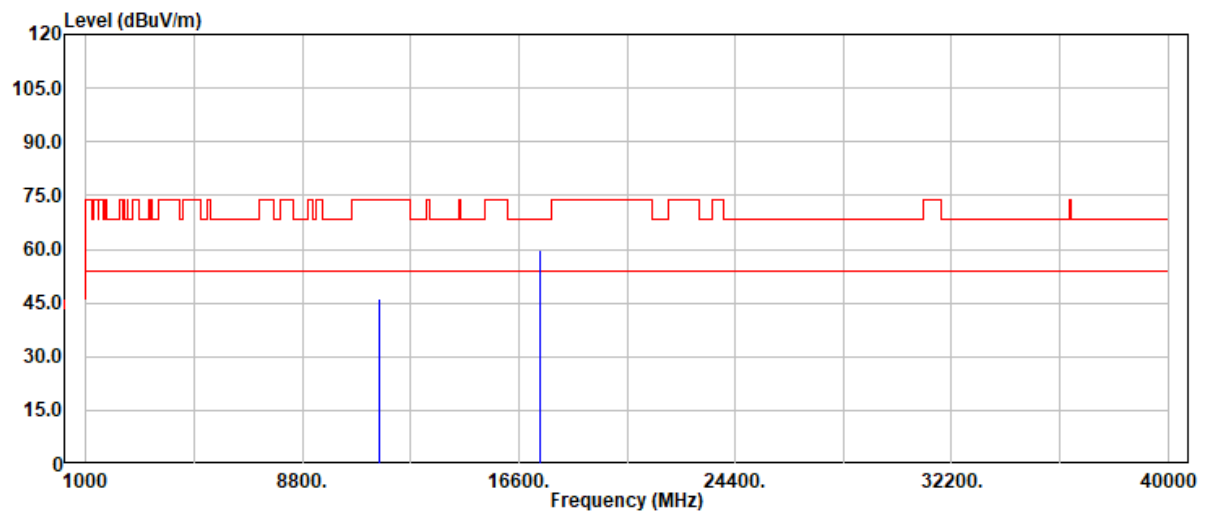


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Project No : TM-2412000356P
Operation Band : 802.11n20_Band4
Frequency : 5785 MHz
Operation Mode : TX
EUT Pol : H
Setting : 25

Test Date : 2025-02-04
Temp./Humi. : 24.4/58
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



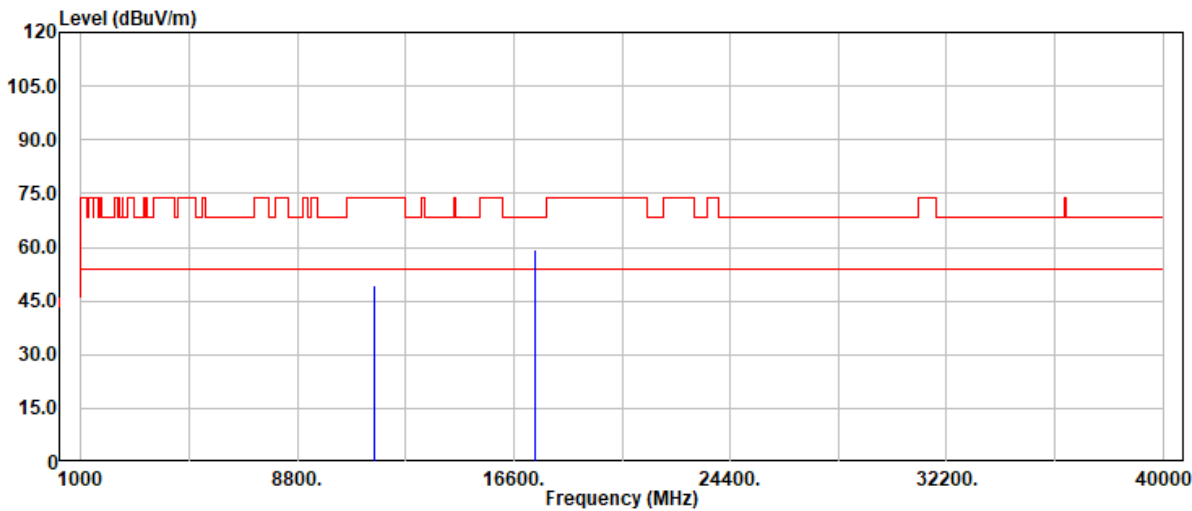
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11570.00	33.35	12.97	46.32	74.00	-27.68	Peak
11570.00	27.12	12.97	40.09	54.00	-13.91	Average
17355.00	33.31	26.34	59.65	68.20	-8.55	Peak



Project No: TM-2412000356P
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Project No	: TM-2412000356P	Test Date	: 2025-02-04
Operation Band	: 802.11n20_Band4	Temp./Humi.	: 24.4/58
Frequency	: 5785 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 25		



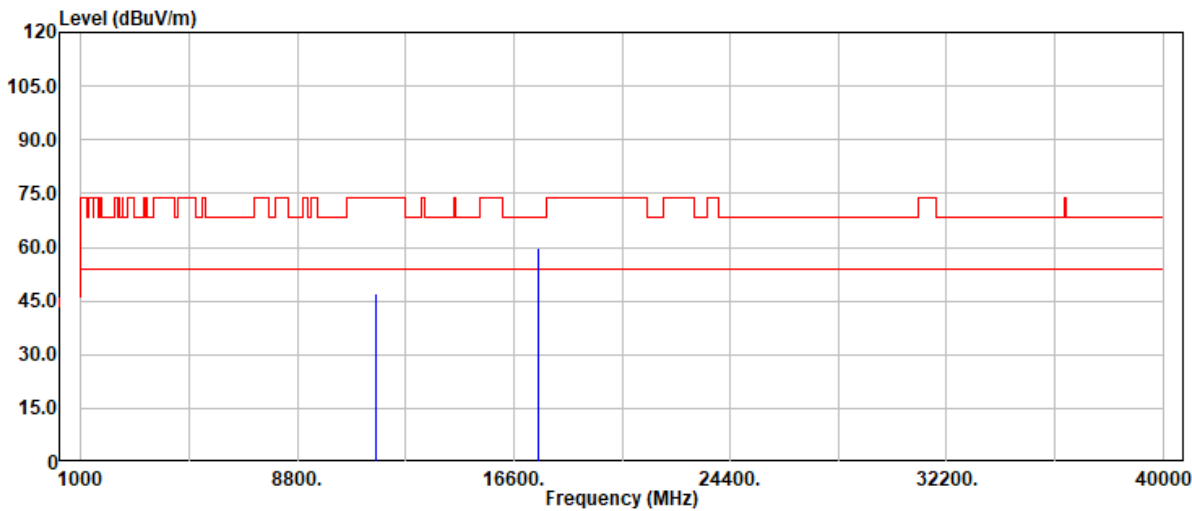
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11570.00	36.26	12.97	49.23	74.00	-24.77	Peak
11570.00	26.73	12.97	39.70	54.00	-14.30	Average
17355.00	33.17	26.34	59.51	68.20	-8.69	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-04
Operation Band	: 802.11n20_Band4	Temp./Humi.	: 24.4/58
Frequency	: 5825 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 20		



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11650.00	34.16	13.09	47.25	74.00	-26.75	Peak
11650.00	26.48	13.09	39.57	54.00	-14.43	Average
17475.00	33.79	25.89	59.68	68.20	-8.52	Peak

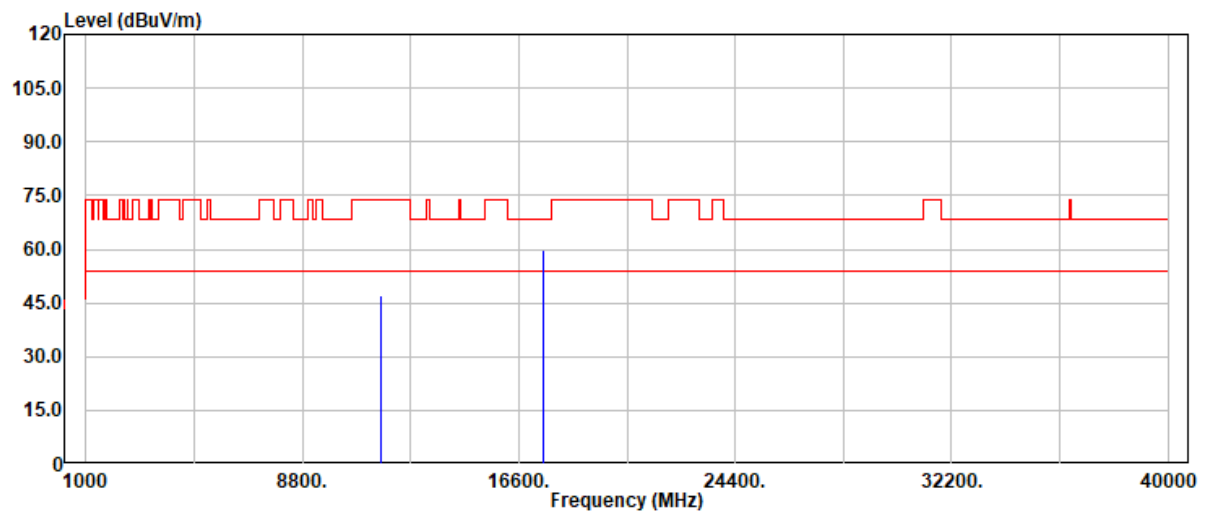


Project No: TM-2412000356P
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Project No : TM-2412000356P
Operation Band : 802.11n20_Band4
Frequency : 5825 MHz
Operation Mode : TX
EUT Pol : H
Setting : 20

Test Date : 2025-02-04
Temp./Humi. : 24.4/58
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



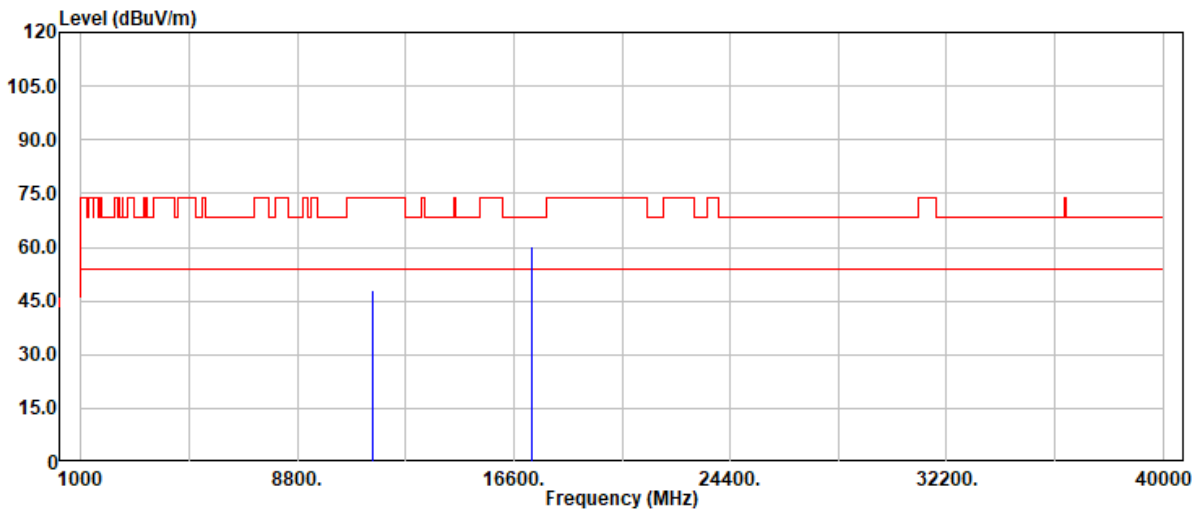
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11650.00	34.00	13.09	47.09	74.00	-26.91	Peak
11650.00	26.58	13.09	39.67	54.00	-14.33	Average
17475.00	33.68	25.89	59.57	68.20	-8.63	Peak



Project No: TM-2412000356P
Report No.: TMWK2412004718KR

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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11n40_Band4	Temp./Humi.	: 24.3/57
Frequency	: 5755 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 24		



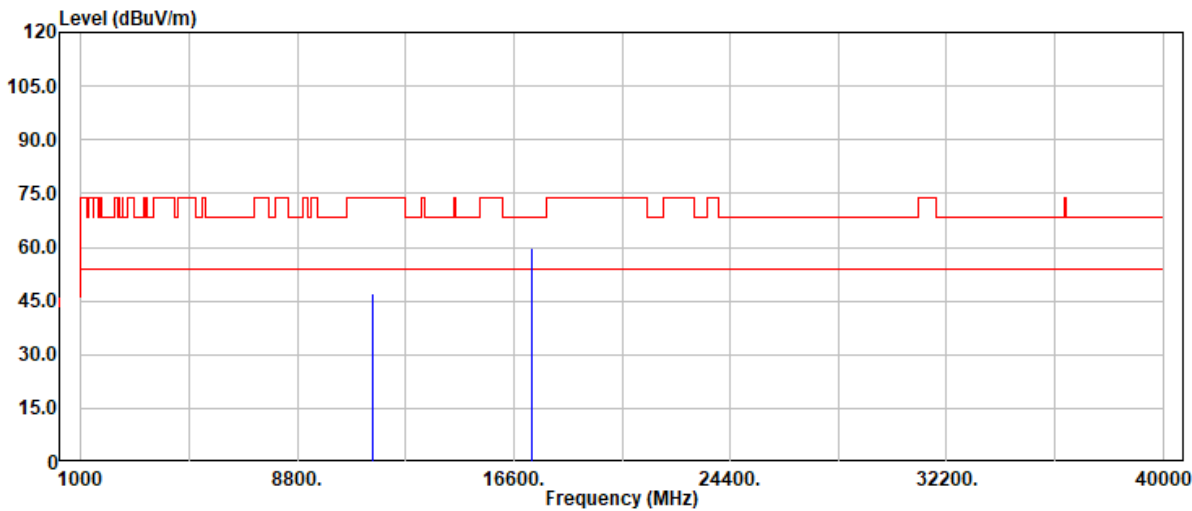
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11510.00	34.91	12.88	47.79	74.00	-26.21	Peak
11510.00	27.23	12.88	40.11	54.00	-13.89	Average
17265.00	33.72	26.52	60.24	68.20	-7.96	Peak



Project No: TM-2412000356P
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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11n40_Band4	Temp./Humi.	: 24.3/57
Frequency	: 5755 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 24		



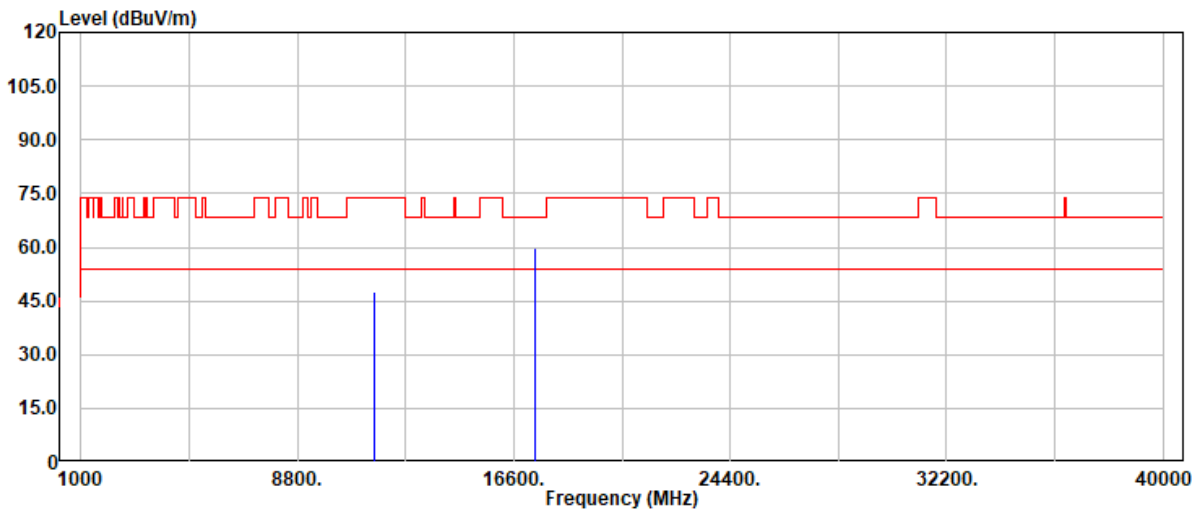
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11510.00	34.44	12.88	47.32	74.00	-26.68	Peak
11510.00	27.43	12.88	40.31	54.00	-13.69	Average
17265.00	33.27	26.52	59.79	68.20	-8.41	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11n40_Band4	Temp./Humi.	: 24.3/57
Frequency	: 5795 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 24		



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11590.00	34.66	12.98	47.64	74.00	-26.36	Peak
11590.00	27.47	12.98	40.45	54.00	-13.55	Average
17385.00	33.37	26.29	59.66	68.20	-8.54	Peak

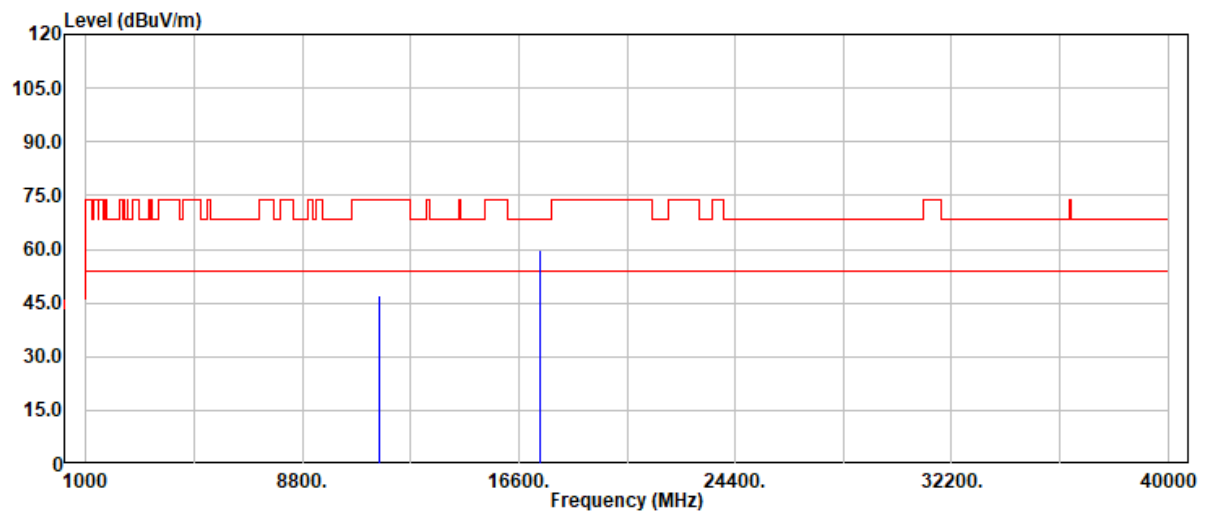


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Project No : TM-2412000356P
Operation Band : 802.11n40_Band4
Frequency : 5795 MHz
Operation Mode : TX
EUT Pol : H
Setting : 24

Test Date : 2025-02-05
Temp./Humi. : 24.3/57
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11590.00	34.20	12.98	47.18	74.00	-26.82	Peak
11590.00	27.16	12.98	40.14	54.00	-13.86	Average
17385.00	33.55	26.29	59.84	68.20	-8.36	Peak

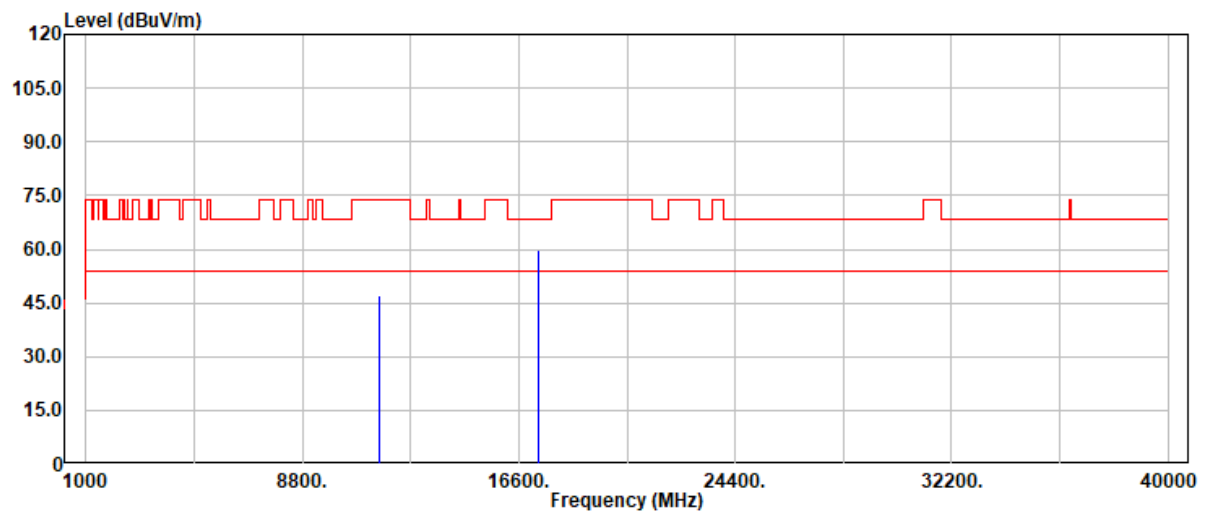


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Project No : TM-2412000356P
Operation Band : 802.11ac80_Band4
Frequency : 5775 MHz
Operation Mode : TX
EUT Pol : H
Setting : 20

Test Date : 2025-02-05
Temp./Humi. : 24.3/57
Antenna Pol. : Vertical
Engineer : Tony.Chao
Test Chamber : 966A



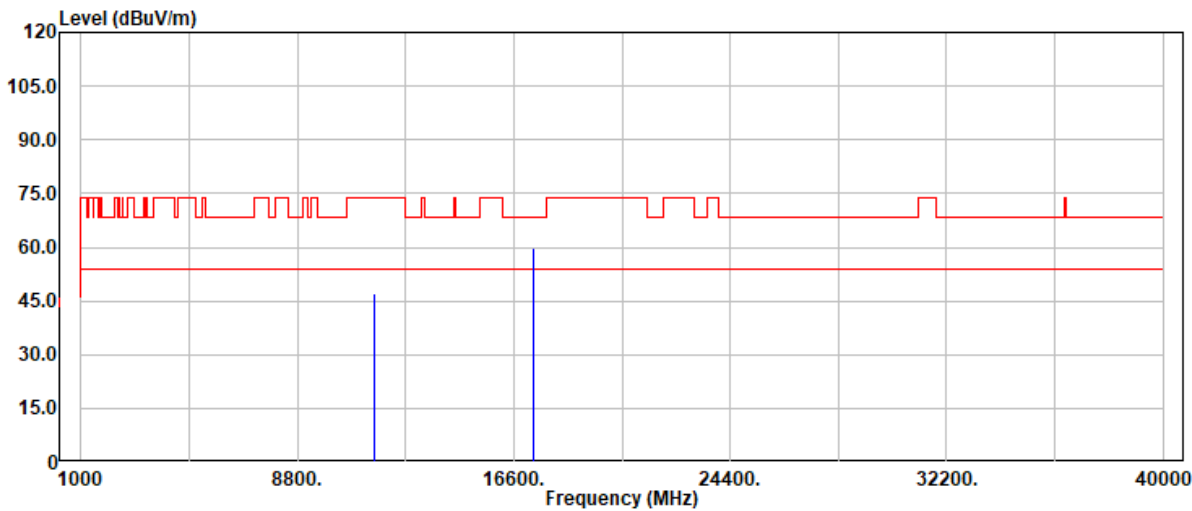
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11550.00	34.36	12.96	47.32	74.00	-26.68	Peak
11550.00	26.78	12.96	39.74	54.00	-14.26	Average
17325.00	33.07	26.49	59.56	68.20	-8.64	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11ac80_Band4	Temp./Humi.	: 24.3/57
Frequency	: 5775 MHz	Antenna Pol.	: Horizontal
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 20		



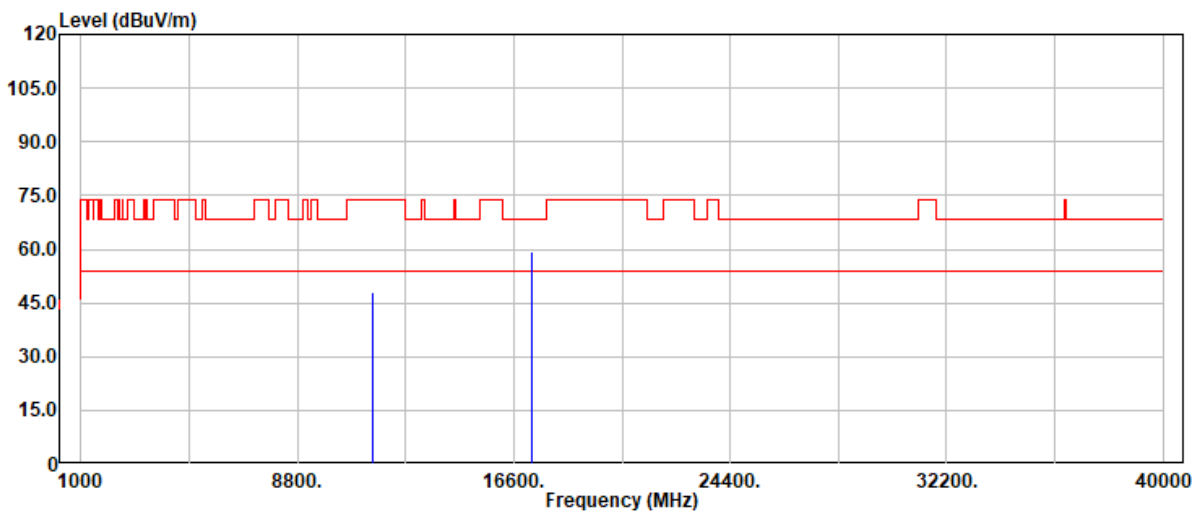
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11550.00	34.12	12.96	47.08	74.00	-26.92	Peak
11550.00	26.70	12.96	39.66	54.00	-14.34	Average
17325.00	33.21	26.49	59.70	68.20	-8.50	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11ax20_Band4	Temp./Humi.	: 24.3/57
Frequency	: 5745 MHz	Antenna Pol.	: Vertical
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 24		



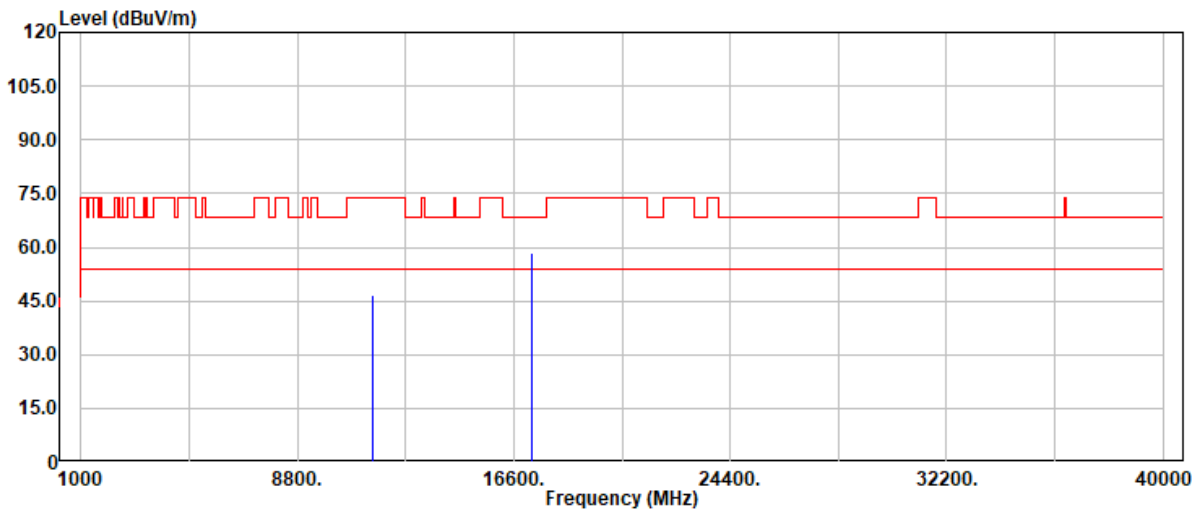
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11490.00	34.98	12.94	47.92	74.00	-26.08	Peak
11490.00	28.80	12.94	41.74	54.00	-12.26	Average
17235.00	32.80	26.41	59.21	68.20	-8.99	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11ax20_Band4	Temp./Humi.	: 24.3/57
Frequency	: 5745 MHz	Antenna Pol.	: Horizontal
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 24		



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11490.00	33.67	12.94	46.61	74.00	-27.39	Peak
11490.00	28.45	12.94	41.39	54.00	-12.61	Average
17235.00	32.09	26.41	58.50	68.20	-9.70	Peak

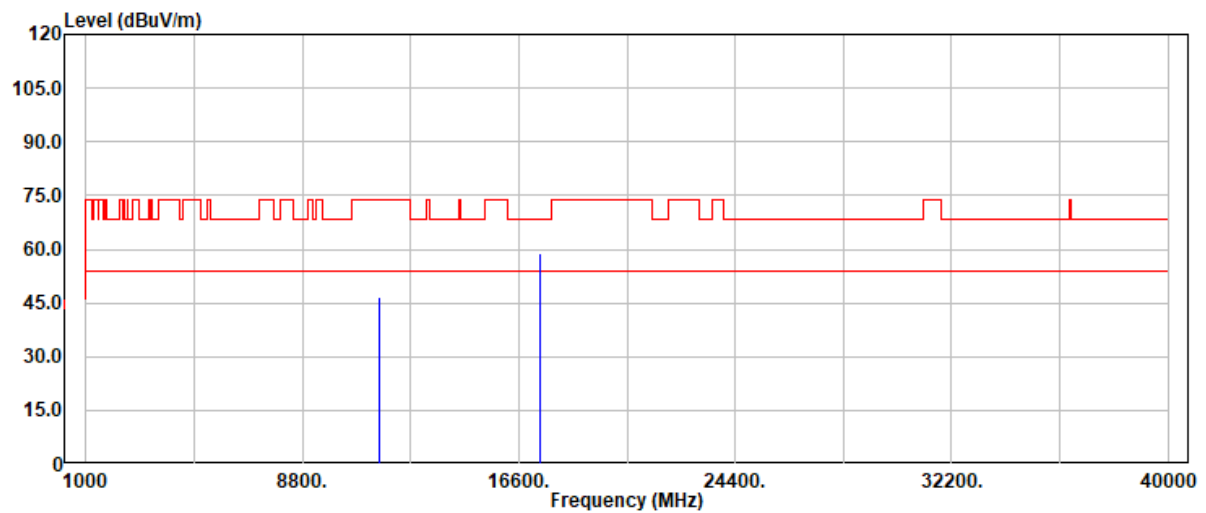


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Project No : TM-2412000356P
Operation Band : 802.11ax20_Band4
Frequency : 5785 MHz
Operation Mode : TX
EUT Pol : H
Setting : 24

Test Date : 2025-02-05
Temp./Humi. : 24.3/57
Antenna Pol. : Vertical
Engineer : Tony.Chao
Test Chamber : 966A



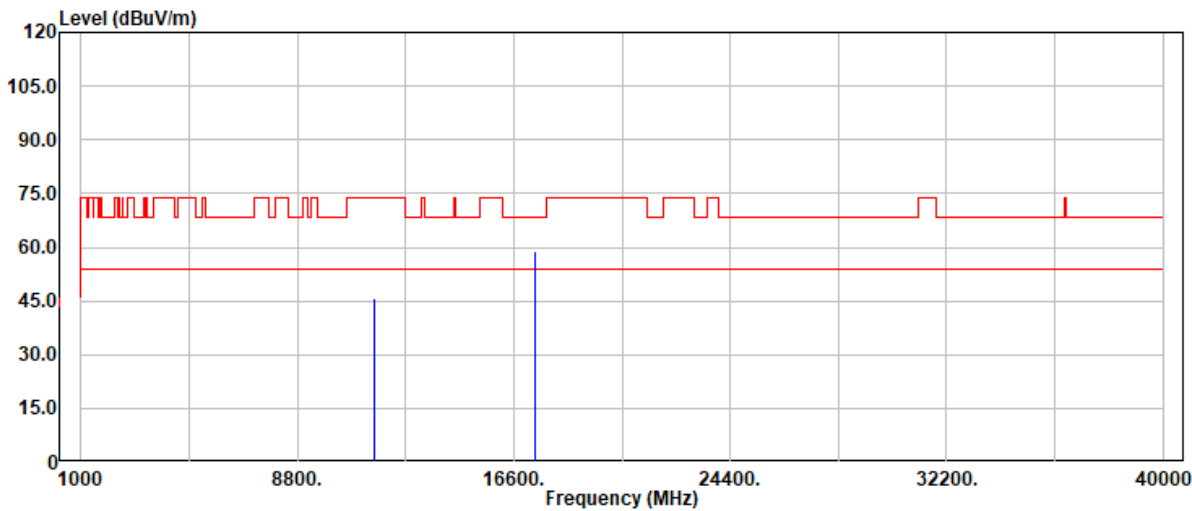
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11570.00	33.79	12.97	46.76	74.00	-27.24	Peak
11570.00	28.54	12.97	41.51	54.00	-12.49	Average
17355.00	32.70	26.34	59.04	68.20	-9.16	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11ax20_Band4	Temp./Humi.	: 24.3/57
Frequency	: 5785 MHz	Antenna Pol.	: Horizontal
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 24		



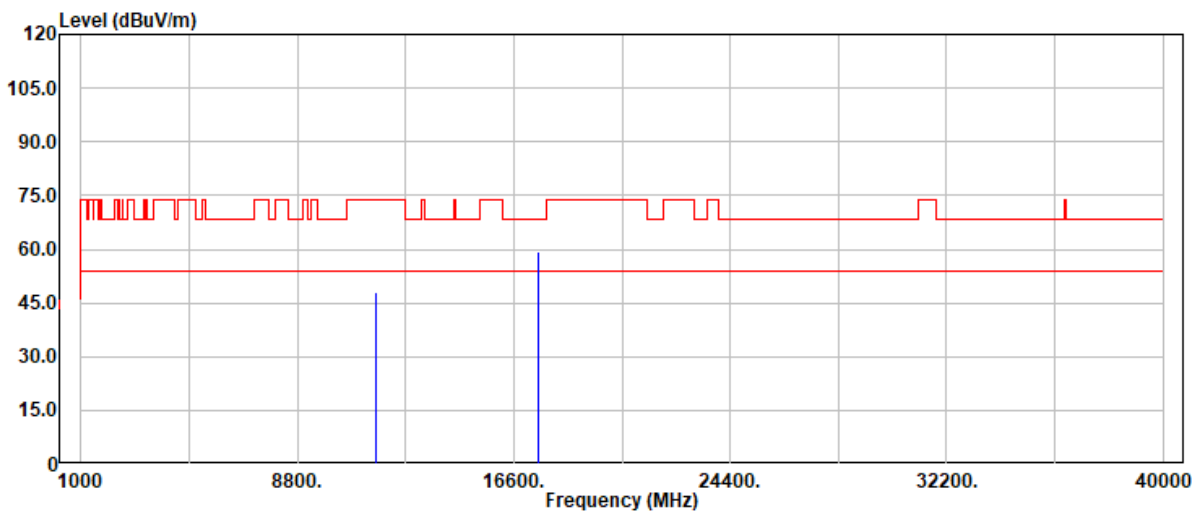
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11570.00	32.84	12.97	45.81	74.00	-28.19	Peak
11570.00	28.35	12.97	41.32	54.00	-12.68	Average
17355.00	32.43	26.34	58.77	68.20	-9.43	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11ax20_Band4	Temp./Humi.	: 24.3/57
Frequency	: 5825 MHz	Antenna Pol.	: Vertical
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 24		



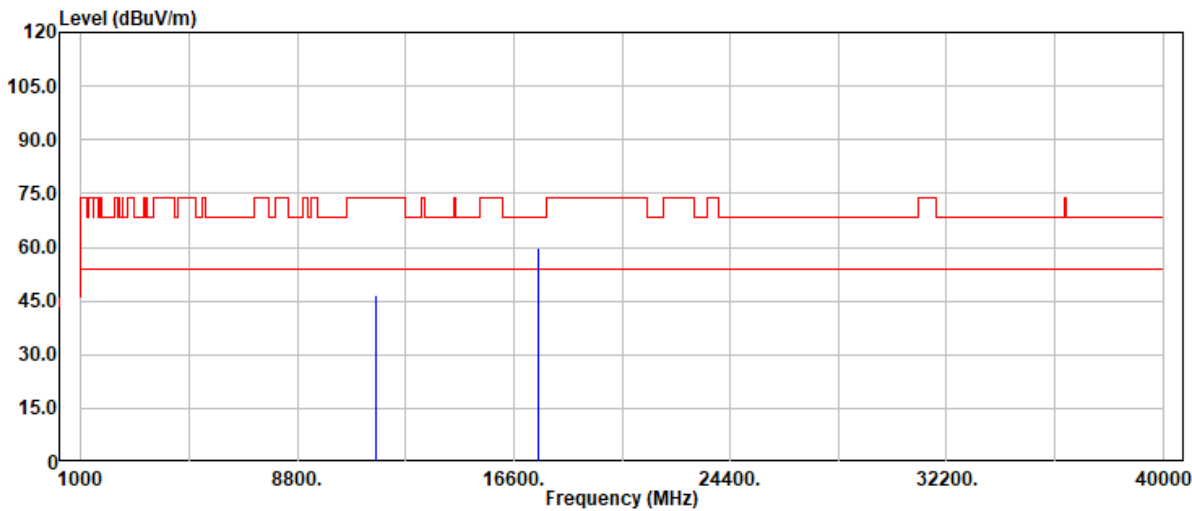
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11650.00	34.78	13.09	47.87	74.00	-26.13	Peak
11650.00	28.47	13.09	41.56	54.00	-12.44	Average
17475.00	33.36	25.89	59.25	68.20	-8.95	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11ax20_Band4	Temp./Humi.	: 24.3/57
Frequency	: 5825 MHz	Antenna Pol.	: Horizontal
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 24		



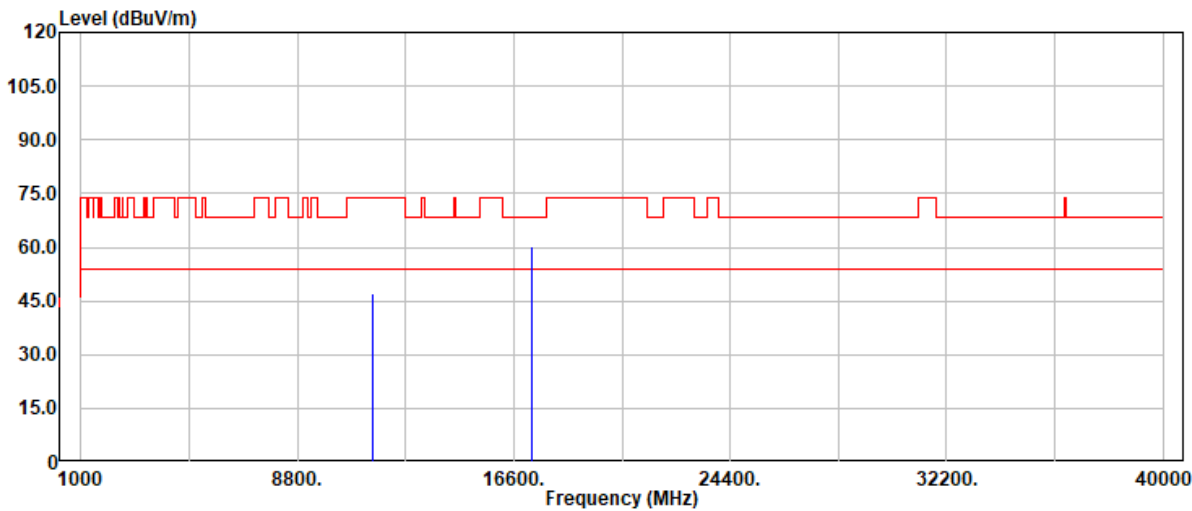
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11650.00	33.47	13.09	46.56	74.00	-27.44	Peak
11650.00	27.73	13.09	40.82	54.00	-13.18	Average
17475.00	34.06	25.89	59.95	68.20	-8.25	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11ax40_Band4	Temp./Humi.	: 24.3/57
Frequency	: 5755 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 24		



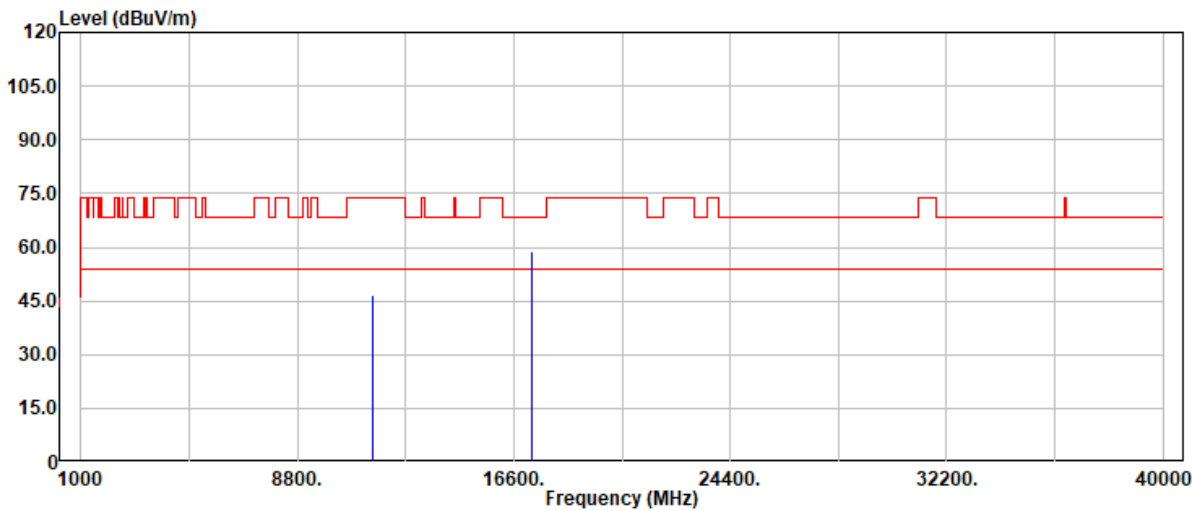
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11510.00	34.06	12.88	46.94	74.00	-27.06	Peak
11510.00	26.43	12.88	39.31	54.00	-14.69	Average
17265.00	33.84	26.52	60.36	68.20	-7.84	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11ax40_Band4	Temp./Humi.	: 24.3/57
Frequency	: 5755 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 24		



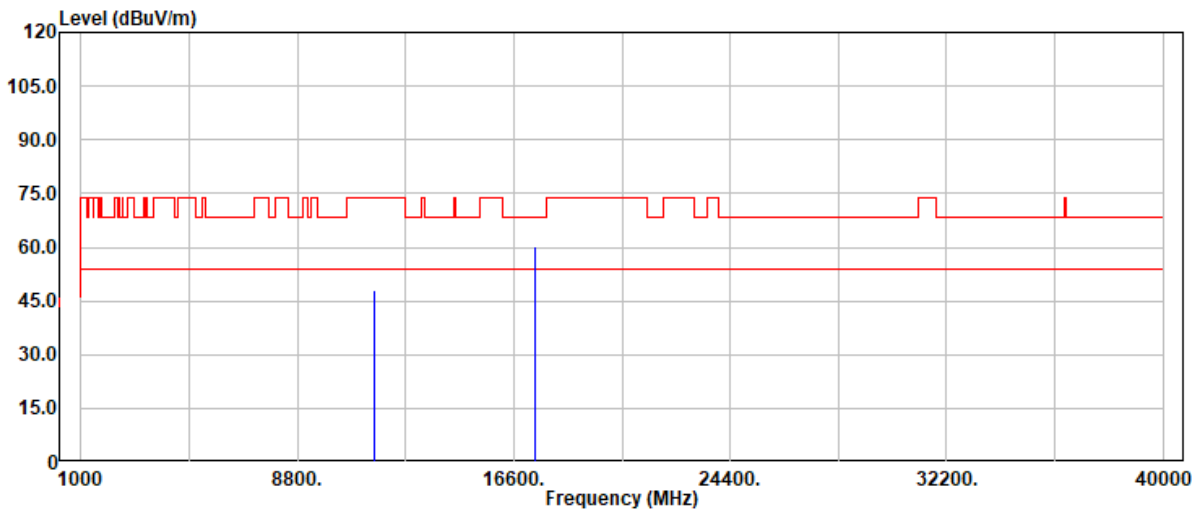
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11510.00	33.55	12.88	46.43	74.00	-27.57	Peak
11510.00	26.35	12.88	39.23	54.00	-14.77	Average
17265.00	32.50	26.52	59.02	68.20	-9.18	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11ax40_Band4	Temp./Humi.	: 24.3/57
Frequency	: 5795 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 24		



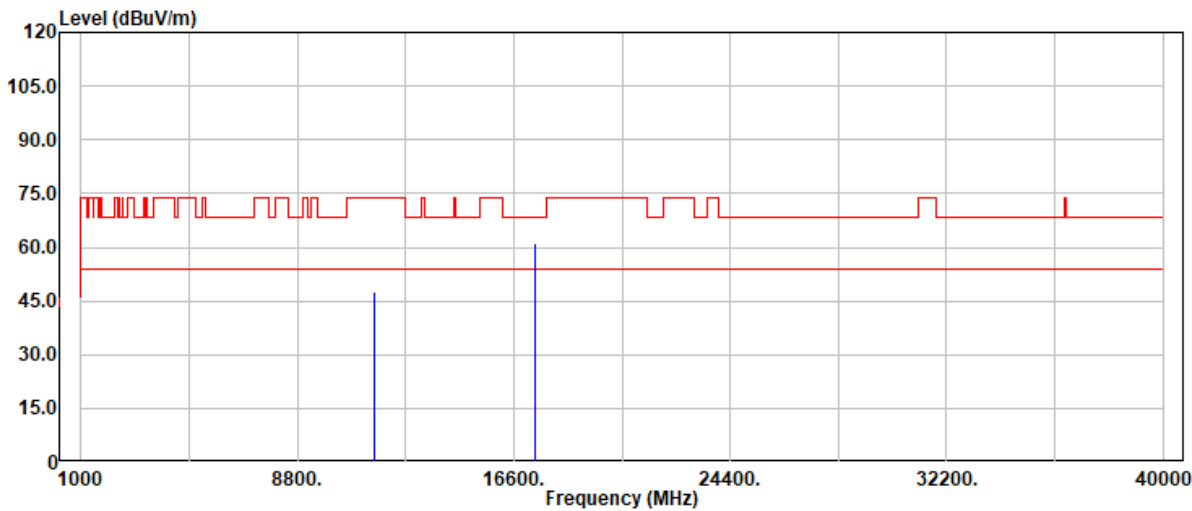
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11590.00	35.22	12.98	48.20	74.00	-25.80	Peak
11590.00	27.24	12.98	40.22	54.00	-13.78	Average
17385.00	33.90	26.29	60.19	68.20	-8.01	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11ax40_Band4	Temp./Humi.	: 24.3/57
Frequency	: 5795 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 24		



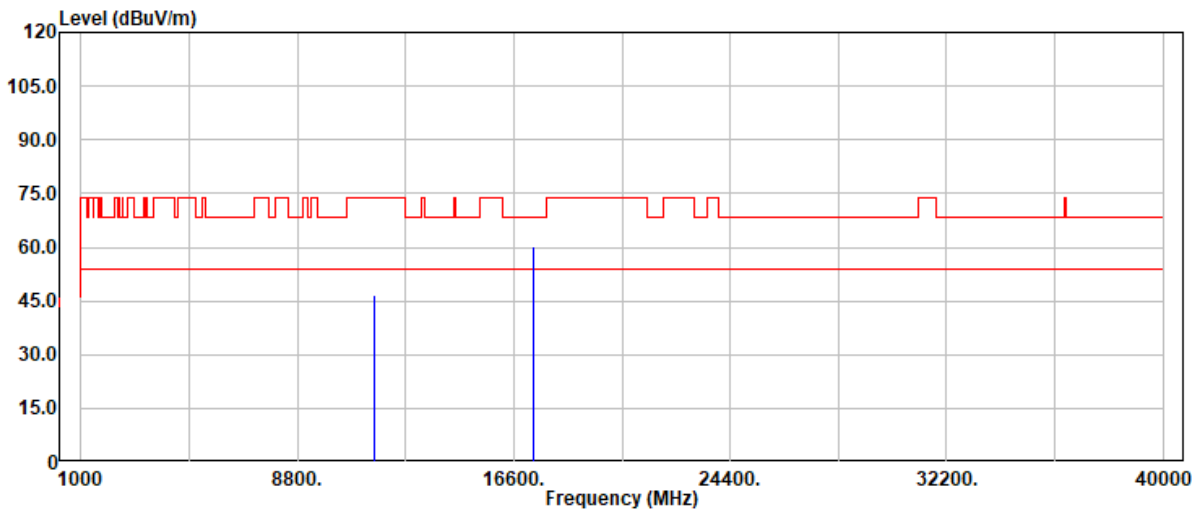
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11590.00	34.40	12.98	47.38	74.00	-26.62	Peak
11590.00	26.67	12.98	39.65	54.00	-14.35	Average
17385.00	34.80	26.29	61.09	68.20	-7.11	Peak



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Project No	: TM-2412000356P	Test Date	: 2025-02-05
Operation Band	: 802.11ax80_Band4	Temp./Humi.	: 24.3/57
Frequency	: 5775 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: 21		



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11550.00	33.83	12.96	46.79	74.00	-27.21	Peak
11550.00	26.74	12.96	39.70	54.00	-14.30	Average
17325.00	33.63	26.49	60.12	68.20	-8.08	Peak

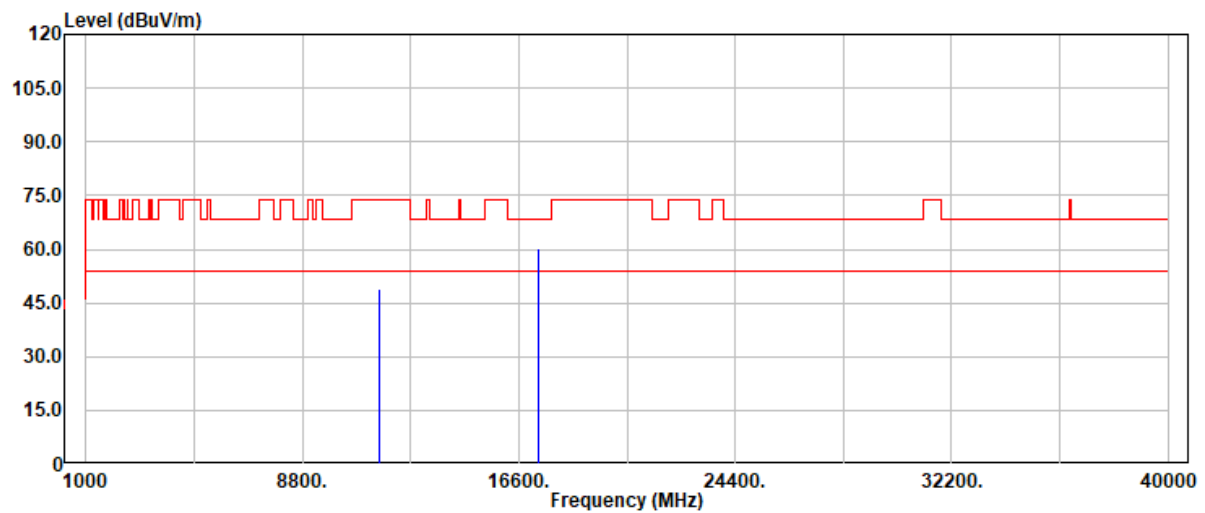


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Project No : TM-2412000356P
Operation Band : 802.11ax80_Band4
Frequency : 5775 MHz
Operation Mode : TX
EUT Pol : H
Setting : 21

Test Date : 2025-02-05
Temp./Humi. : 24.3/57
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
11550.00	36.06	12.96	49.02	74.00	-24.98	Peak
11550.00	26.98	12.96	39.94	54.00	-14.06	Average
17325.00	33.66	26.49	60.15	68.20	-8.05	Peak



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4.6 DYNAMIC FREQUENCY SELECTION

4.6.1 Test Limit

FCC according to §15.407 (h), KDB 905462 D02 "compliance measurement procedures for unlicensed-national information infrastructure devices operating in the 5250-5350 MHz and 5470-5725 MHz bands incorporating dynamic frequency selection". and KDB 905462 D03 " U-NII client devices without radar detection capability.

It harmonized with FCC Part 15 DFS rules.

Table 1: Applicability of DFS requirements prior to use of a channel

Requirement	Operational Mode		
	Master	Client (without radar detection)	Client(with radar detection)
Non-Occupancy Period	Yes	Not required	Yes
DFS Detection Threshold	Yes	Not required	Yes
Channel Availability Check Time	Yes	Not required	Not required
U-NII Detection Bandwidth	Yes	Not required	Yes

Table 2: Applicability of DFS requirements during normal operation

Requirement	Operational Mode	
	Master Device or Client with Radar Detection	Client Without Radar Detection
DFS Detection Threshold	Yes	Not required
Channel Closing Transmission Time	Yes	Yes
Channel Move Time	Yes	Yes
U-NII Detection Bandwidth	Yes	Not required

Additional requirements for devices with multiple bandwidth mods	Master Device or Client with Radar Detection	Client Without Radar Detection
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required
Note: Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.		



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Table 3: Interference Threshold values, Master or Client incorporating In-Service

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP $\geq$ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm

Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.
Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.
Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.

Table 4: DFS Response requirement values

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.
Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.
Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

Table 5 – Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a	Roundup $\left\{ \left(\frac{1}{360} \right) \cdot \left(\frac{19 \cdot 10^6}{PRI_{\mu sec}} \right) \right\}$	60%	30
		Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A			
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.					



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Table 6 – Long Pulse Radar Test Signal

Radar Type	Pulse Width (μsec)	Chirp Width (MHz)	PRI (μsec)	Number of Pulses per Burst	Number of Bursts	Minimum Percentage of Successful Detection	Minimum Number of Trials
5	50-100	5-20	1000-2000	1-3	8-20	80%	30

Table 7 – Frequency Hopping Radar Test Signal

Radar Type	Pulse Width (μsec)	PRI (μsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Percentage of Successful Detection	Minimum Number of Trials
6	1	333	9	0.333	300	70%	30



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4.6.2 Test Procedure

Overview Of EUT With Respect To §15.407 (H) Requirements

The firmware installed in the EUT during testing was:

Firmware Rev: 7.45.100.9

The EUT operates over the 5250-5350 MHz range as a Client Device that does not have radar detection capability.

The EUT uses one transmitter connected to two 50-ohm coaxial antenna ports via a diversity switch. Only one antenna port is connected to the test system since the EUT has one antenna only.

The Slave device associated with the EUT during these tests does not have radar detection capability.

WLAN traffic is generated by streaming the video file TestFile.mp2 “6 ½ Magic Hours” from the Master to the Slave in full motion video mode using the media player with the V2.61 Codec package.

The EUT utilizes the 802.11a architecture, with a nominal channel bandwidth of 20 MHz.

The rated output power of the Master unit is < 23dBm (EIRP). Therefore the required interference threshold level is -62 dBm. After correction for antenna gain and procedural adjustments, the required conducted threshold at the antenna port is $-62 + 5 = -57\text{dBm}$.

The calibrated conducted DFS Detection Threshold level is set to -64 dBm. The tested level is lower than the required level hence it provides margin to the limit.

Manufacturer's Statement Regarding Uniform Channel Spreading

The end product implements an automatic channel selection feature at startup such that operation commences on channels distributed across the entire set of allowed 5GHz channels. This feature will ensure uniform spreading is achieved while avoiding non-allowed channels due to prior radar events.



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TEST AND MEASUREMENT SYSTEM

System Overview

The measurement system is based on a conducted test method.

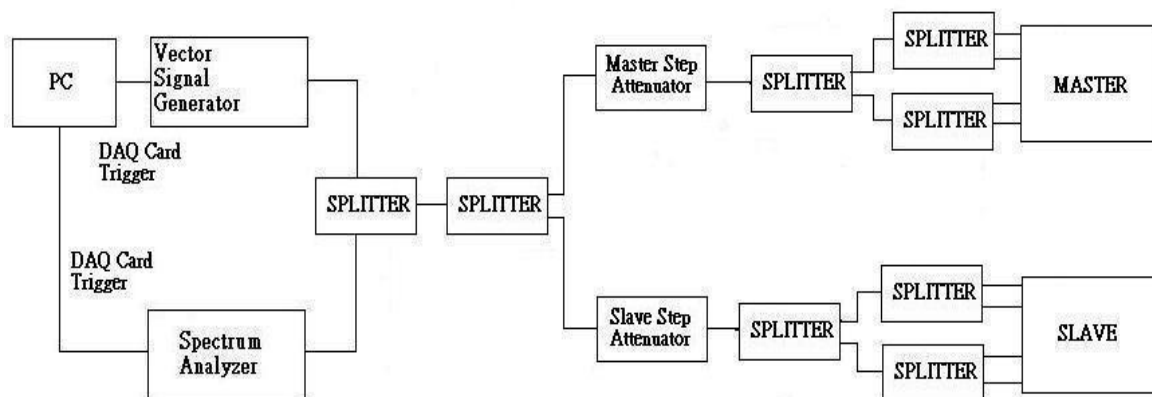
The short pulse and long pulse signal generating system utilizes the NTIA software. The Vector Signal Generator has been validated by the NTIA. The hopping signal generating system utilizes the CCS simulated hopping method and system, which has been validated by the DoD, FCC and NTIA. The software selects waveform parameters from within the bounds of the signal type on a random basis using uniform distribution. The short pulse types 2, 3 and 4, and the long pulse type 5 parameters are randomized at run-time.

The hopping type 6 pulse parameters are fixed while the hopping sequence is based on the August 2005 NTIA Hopping Frequency List. The initial starting point randomized at run-time and each subsequent starting point is incremented by 475. Each frequency in the 100-length segment is compared to the boundaries of the EUT Detection Bandwidth and the software creates a hopping burst pattern in accordance with Section 7.4.1.3 Method #2 Simulated Frequency Hopping Radar Waveform Generating Subsystem of FCC 06-96 APPENDIX. The frequency of the signal generator is incremented in 1 MHz steps from FL to FH for each successive trial. This incremental sequence is repeated as required to generate a minimum of 30 total trials and to maintain a uniform frequency distribution over the entire Detection Bandwidth.

The signal monitoring equipment consists of a spectrum analyzer set to display 8001 bins on the horizontal axis. The time-domain resolution is 2 msec / bin with a 16 second sweep time, meeting the 10 second short pulse reporting criteria. The aggregate ON time is calculated by multiplying the number of bins above a threshold during a particular observation period by the dwell time per bin, with the analyzer set to peak detection and max hold. The time-domain resolution is 3 msec / bin with a 24 second sweep time, meeting the 22 second long pulse reporting criteria and allowing a minimum of 10 seconds after the end of the long pulse waveform.

Should multiple RF ports be utilized for the Master and/or Slave devices (for example, for diversity or MIMO implementations), 50 ohm termination would be removed from the splitter so that connection can be established between splitter and the Master and/or Slave devices.

Conducted Method System Block Diagram



System Calibration

Connect the spectrum analyzer to the test system in place of the master device. Set the signal generator to CW mode. Adjust the amplitude of the signal generator to yield a measured level of -64 dBm on the spectrum analyzer.

Without changing any of the instrument settings, reconnect the spectrum analyzer to the Common port of the Spectrum Analyzer Combiner/Divider and connect a 50 ohm load to the Master Device port of the test system.

Measure the amplitude and calculate the difference from -64 dBm. Adjust the Reference Level Offset of the spectrum analyzer to this difference. Confirm that the signal is displayed at -62 dBm. Readjust the RBW and VBW to 3 MHz, set the span to 10 MHz, and confirm that the signal is still displayed at -64 dBm.

The spectrum analyzer displays the level of the signal generator as received at the antenna ports of the Master Device. The interference detection threshold may be varied from the calibrated value of -64 dBm and the spectrum analyzer will still indicate the level as received by the Master Device.

Set the signal generator to produce a radar waveform, trigger a burst manually and measure the level on the spectrum analyzer. Readjust the amplitude of the signal generator as required so that the peak level of the waveform is at a displayed level equal to the required or desired interference detection threshold. Separate signal generator amplitude settings are determined as required for each radar type.



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Adjustment Of Displayed Traffic Level

Establish a link between the Master and Slave, adjusting the Link Step Attenuator as needed to provide a suitable received level at the Master and Slave devices. Stream the video test file to generate WLAN traffic. Confirm that the WLAN traffic level, as displayed on the spectrum analyzer, is at lower amplitude than the radar detection threshold. Confirm that the displayed traffic is from the Master Device. For Master Device testing confirm that the displayed traffic does not include Slave Device traffic. For Slave Device testing confirm that the displayed traffic does not include Master Device traffic.

If a different setting of the Master Step Attenuator is required to meet the above conditions, perform a new System Calibration for the new Master Step Attenuator setting.

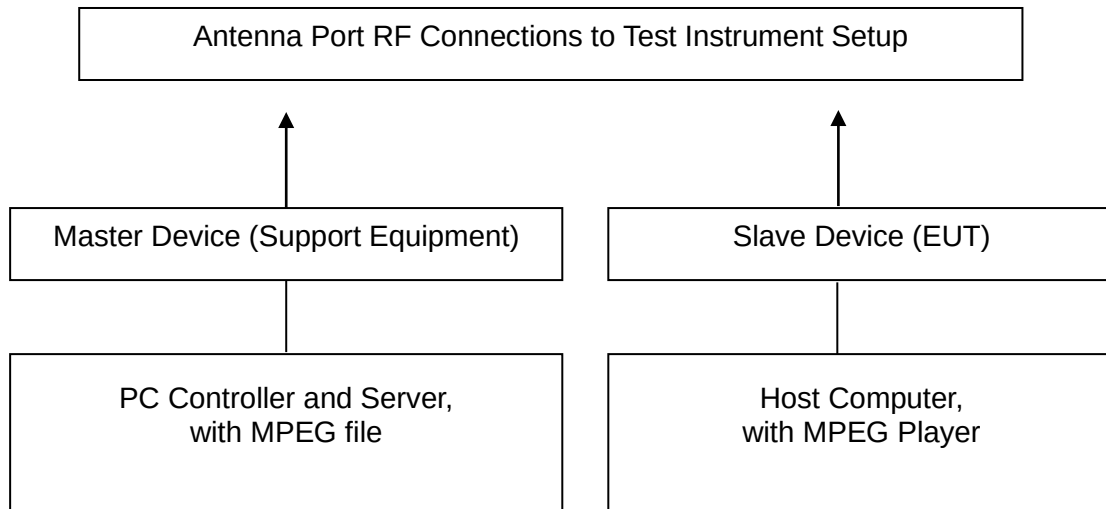
Channel Loading

System testing will be performed with channel-loading using means appropriate to the data types that are used by the unlicensed device. The following requirements apply:

- a) The data file must be of a type that is typical for the device (i.e., MPEG-2, MPEG-4, WAV, MP3, MP4, AVI, etc.) and must generally be transmitting in a streaming mode.
- b) Software to ping the client is permitted to simulate data transfer but must have random ping intervals.
- c) Timing plots are required with calculations demonstrating a minimum channel loading of approximately 17% or greater. For example, channel loading can be estimated by setting the spectrum analyzer for zero span and approximate the Time On/ (Time On + Off Time). This can be done with any appropriate channel BW and modulation type.
- d) Unicast or Multicast protocols are preferable but other protocols may be used. The appropriate protocol used must be described in the test procedures.

The Lab use(c).

4.6.3 Test Setup





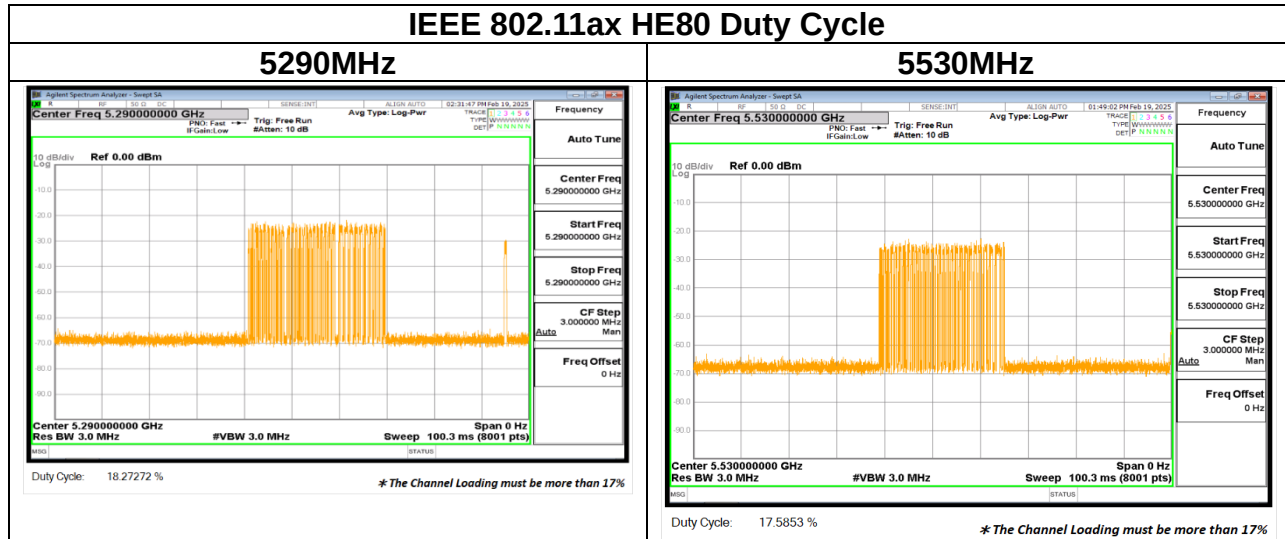
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4.6.4 Test Result

Temperature: 19.3°C
Humidity: 50% RH

Test date: February 19, 2025
Tested by: KW Huang

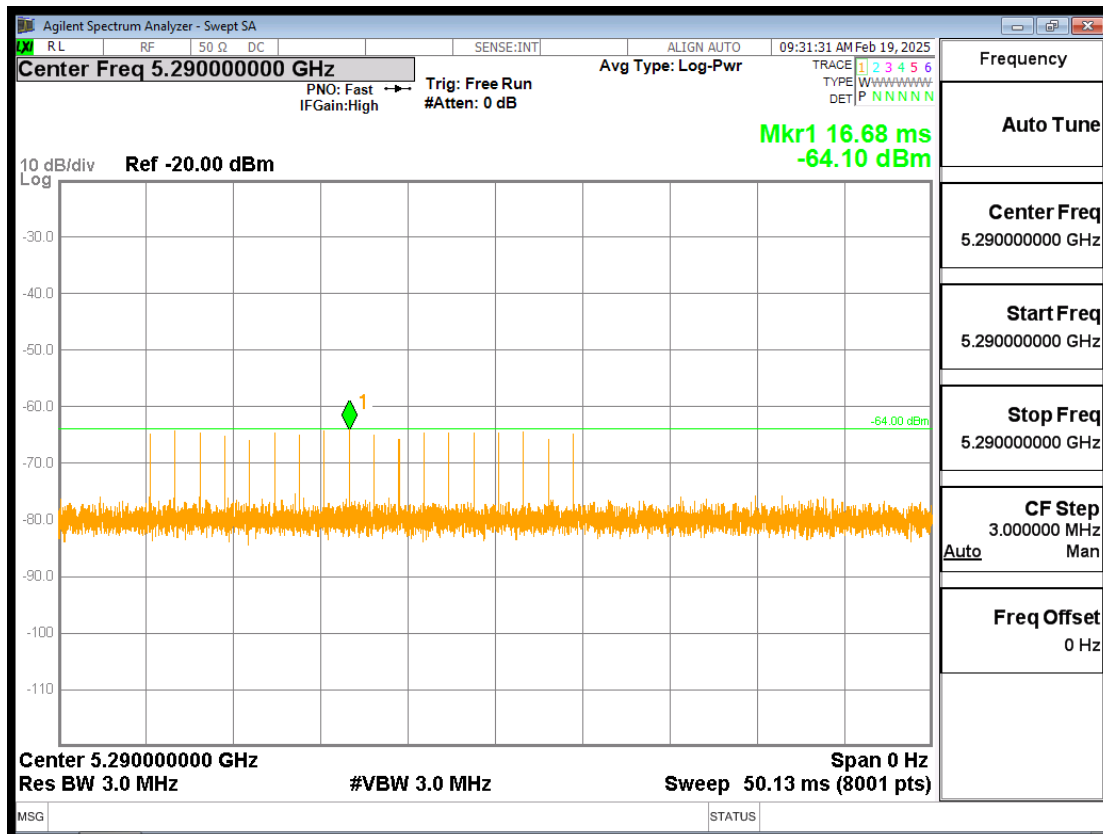




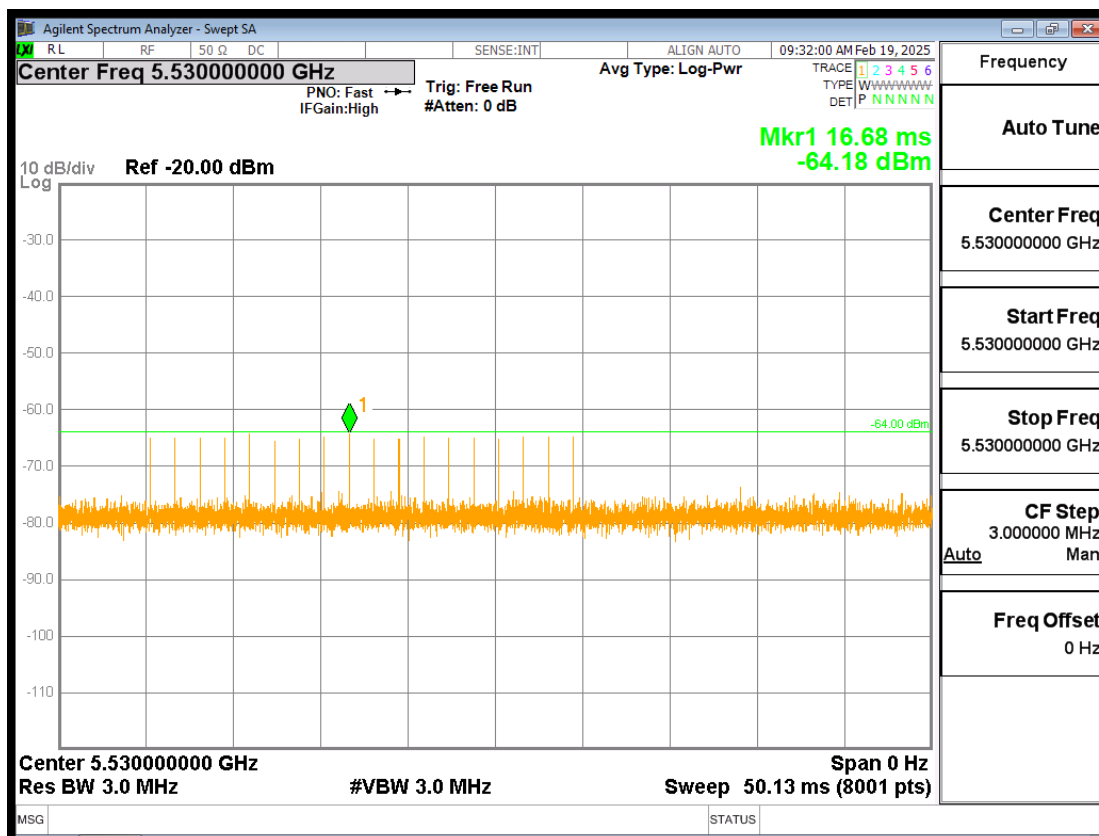
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PLOT OF WLAN TRAFFIC FROM SLAVE
Band 2
IEEE 802.11ax HE80 mode / 5290 MHz
Radar Waveforms
Sample of short Pulse Radar Type 0



Band 3
IEEE 802.11ax HE80 mode / 5530 MHz
Radar Waveforms
Sample of short Pulse Radar Type 0





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TEST CHANNEL AND METHOD

All tests were performed at a channel center frequency of 5290MHz and 5530 MHz utilizing a conducted test method.

CHANNEL MOVE TIME AND CHANNEL CLOSING TRANSMISSION TIME

GENERAL REPORTING NOTES

The reference marker is set at the end of last radar pulse.

The delta marker is set at the end of the last WLAN transmission following the radar pulse. This delta is the channel move time.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time =

(Number of analyzer bins showing transmission) * (dwell time per bin)

The observation period over which the aggregate time is calculated

Begins at (Reference Marker + 200 msec) and

Ends no earlier than (Reference Marker + 10 sec).



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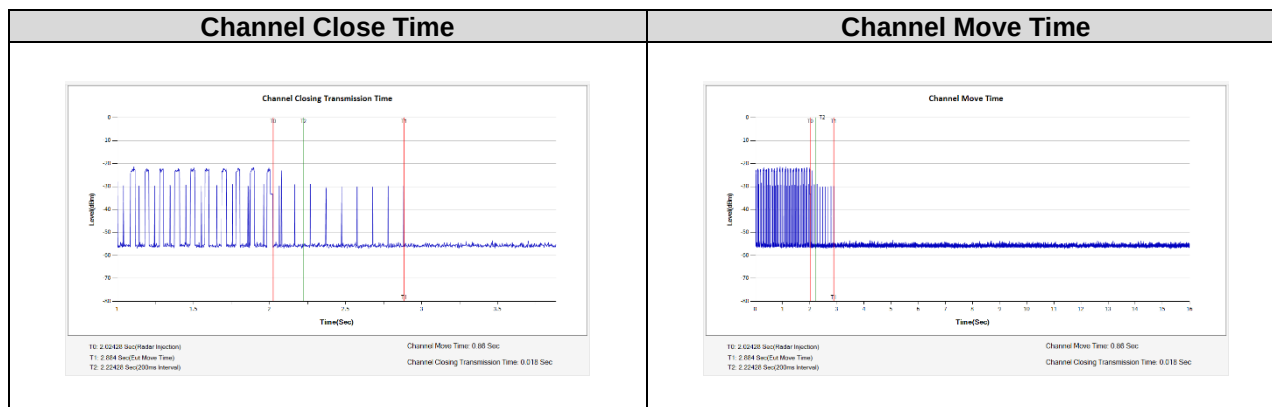
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Band 2

IEEE 802.11ax HE80 mode / 5290 MHz

Type 0 Channel Move Time Results & Channel Closing Transmission Time Results Compliance.

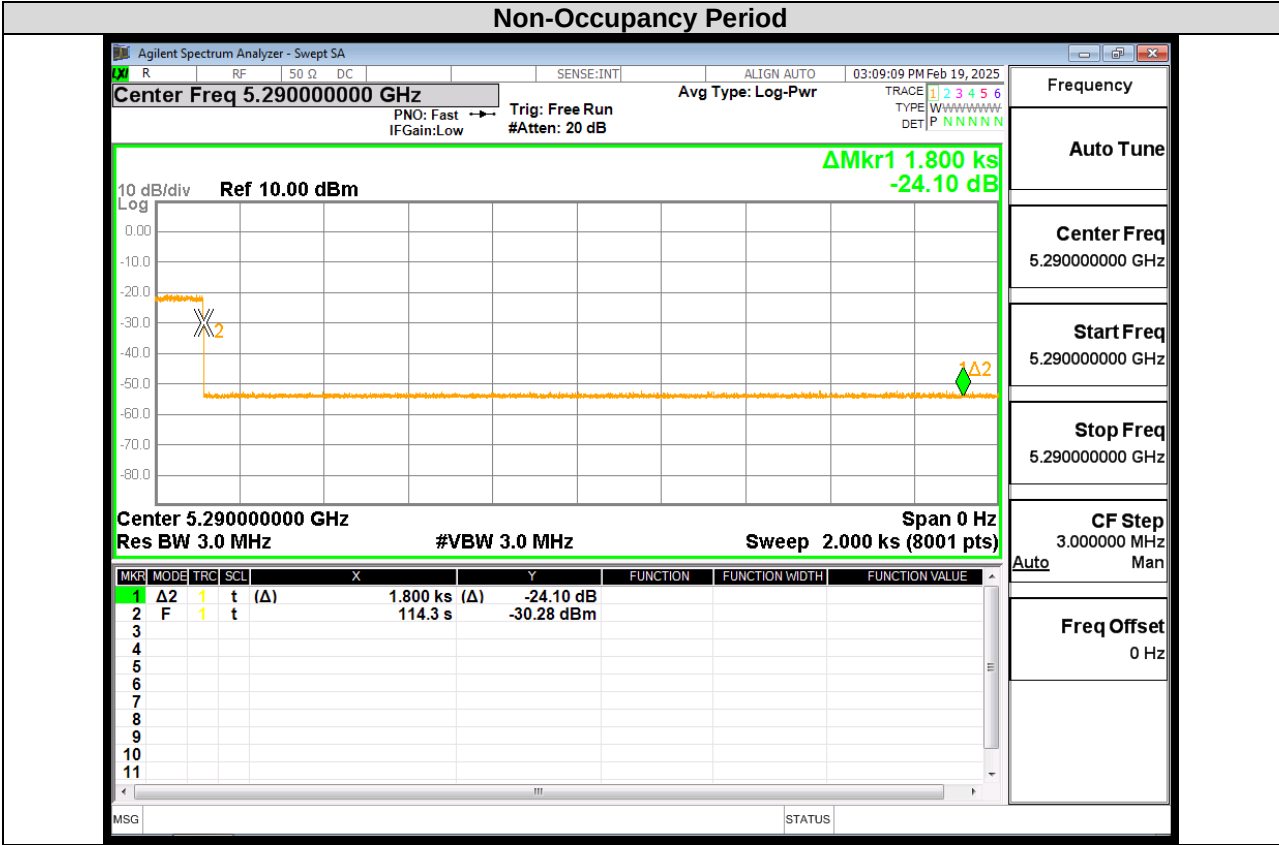
Channel Shutdown Result			
Detection Threshold Level (dBm)		-64	
Modulation Mode	Freq. (MHz)	Channel Closing Transmission Time(ms) 200ms~10sec	Channel Move Time(s)
HE80	5290	18	0.860
Limit		60 ms	10 sec
Result		Complied	





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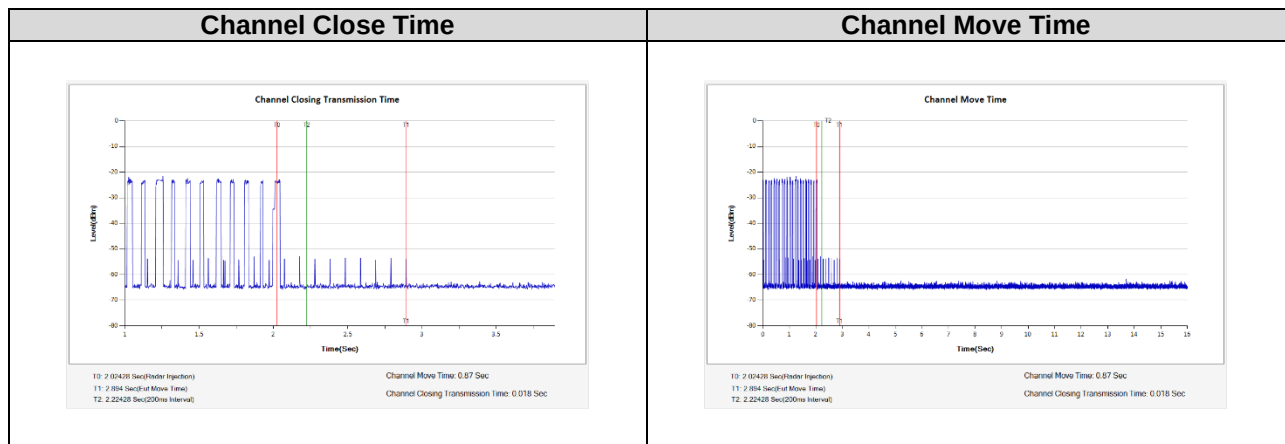
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Band 3

IEEE 802.11ax HE80 mode / 5530 MHz

Type 0 Channel Move Time Results & Channel Closing Transmission Time Results Compliance.

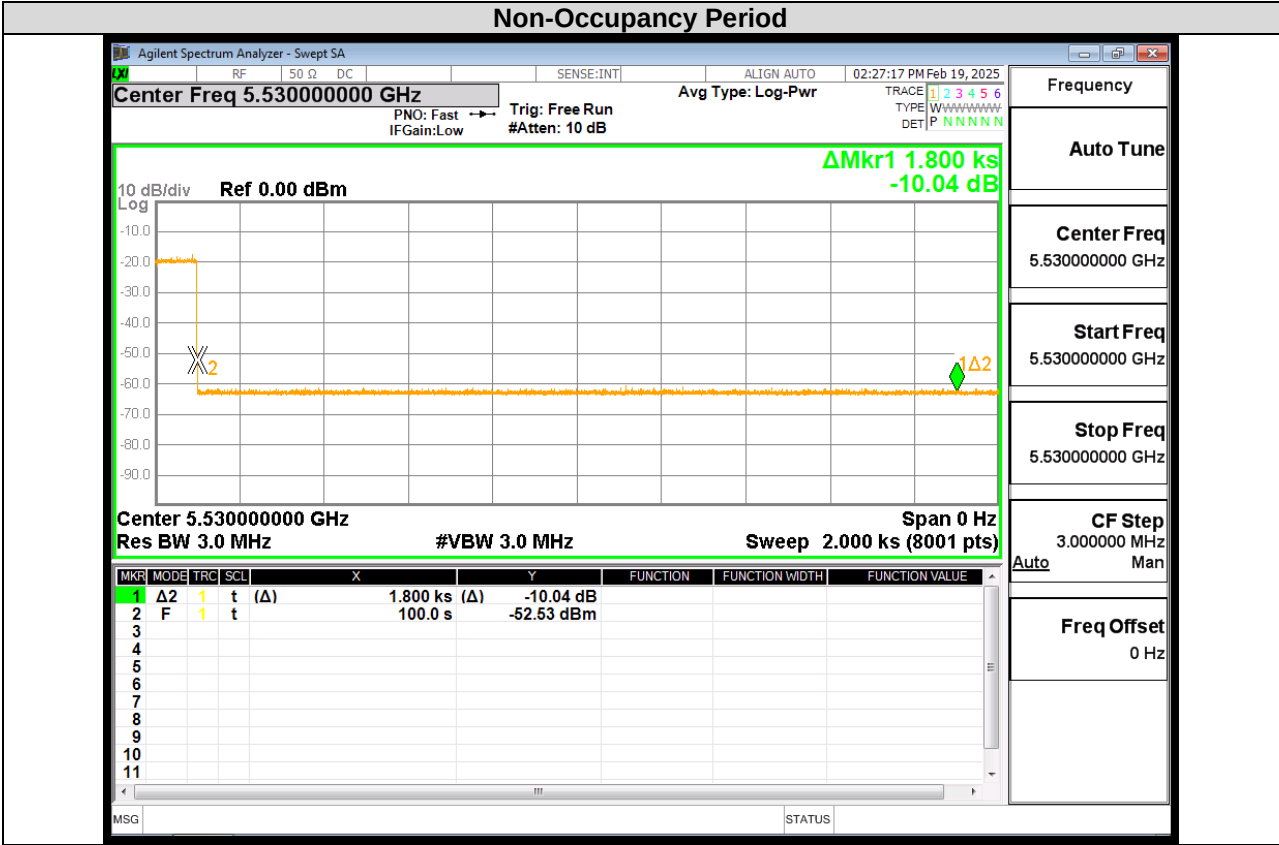
Channel Shutdown Result			
Detection Threshold Level (dBm)		-64	
Modulation Mode	Freq. (MHz)	Channel Closing Transmission Time(ms) 200ms~10sec	Channel Move Time(s)
HE80	5530	18	0.870
Limit		60 ms	10 sec
Result		Complied	





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--End of Test Report--