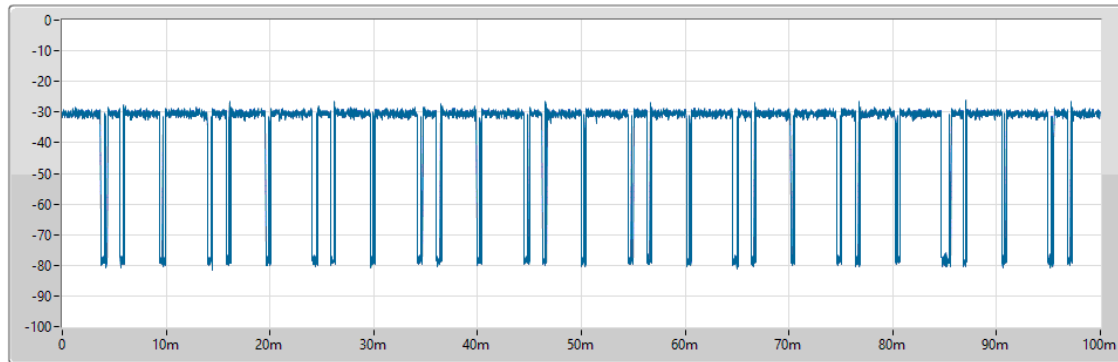


Bandwidth 160MHz: Traffic Loading Plot - 6110MHz

Time Analysis

Main



01/06/2024

Sample Time

12.5us

All TX Time

87.3ms

All TX Sample

6984

Duty Cycle

0.872891

T1[s]

T2[s]

NaNs

NaNs

T3[s]

T4[s]

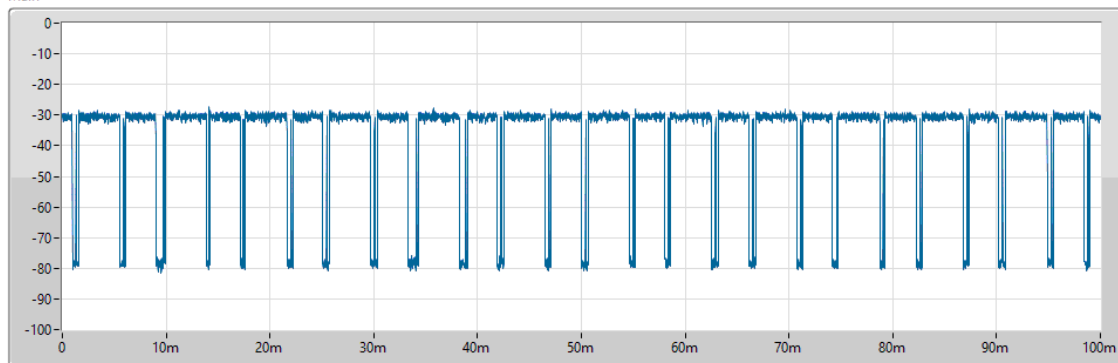
NaNs

NaNs

Bandwidth 160MHz: Traffic Loading Plot - 6185MHz

Time Analysis

Main



01/06/2024

Sample Time

12.5us

All TX Time

86.4125ms

All TX Sample

6913

Duty Cycle

0.864017

T1[s]

T2[s]

NaNs

NaNs

T3[s]

T4[s]

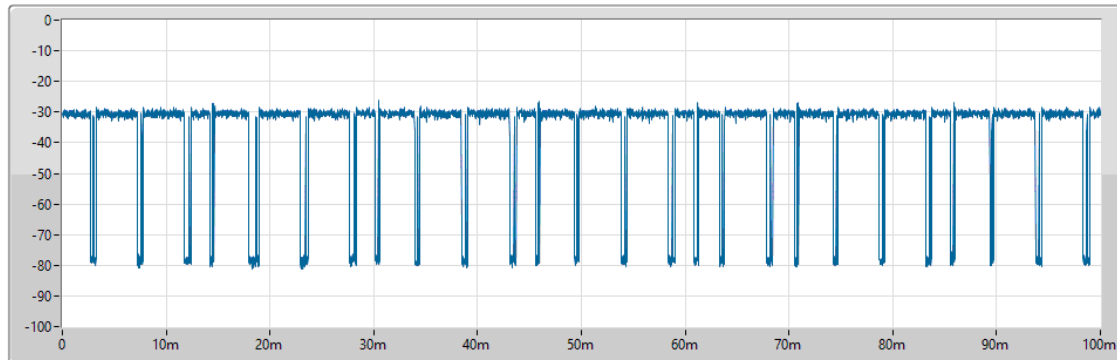
NaNs

NaNs

Bandwidth 160MHz: Traffic Loading Plot - 6260MHz

Time Analysis

Main

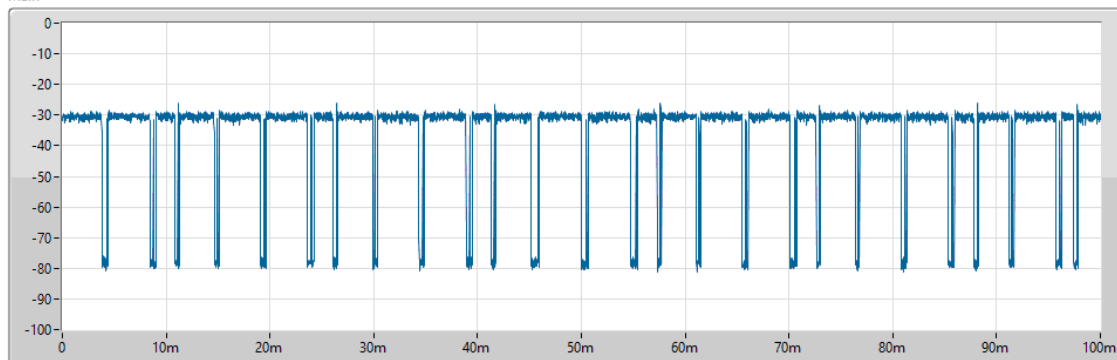


01/06/2024	
Sample Time	
12.5us	
All TX Time	
87.45ms	
All TX Sample	
6996	
Duty Cycle	
0.874391	
T1[s]	T2[s]
NaNs	NaNs
T3[s]	T4[s]
NaNs	NaNs

Bandwidth 160MHz: Traffic Loading Plot - 6590MHz

Time Analysis

Main

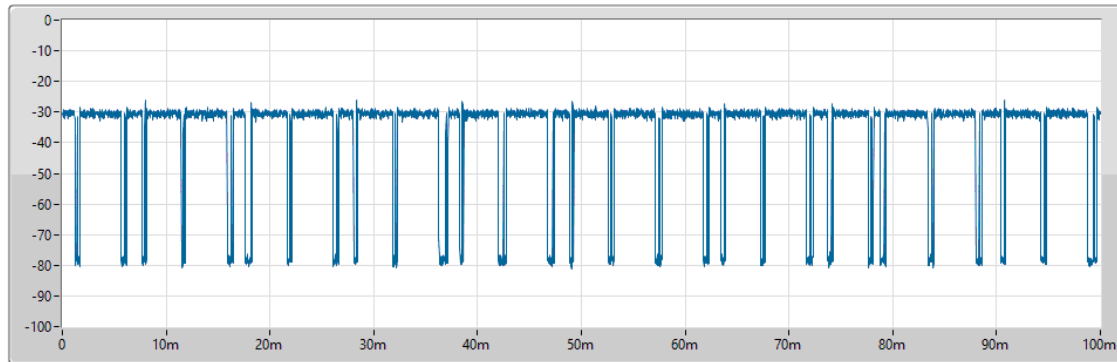


01/06/2024	
Sample Time	
12.5us	
All TX Time	
87.5ms	
All TX Sample	
7000	
Duty Cycle	
0.874891	
T1[s]	T2[s]
NaNs	NaNs
T3[s]	T4[s]
NaNs	NaNs

Bandwidth 160MHz: Traffic Loading Plot - 6665MHz

Time Analysis

Main



01/06/2024

Sample Time

12.5us

All TX Time

85.8625ms

All TX Sample

6869

Duty Cycle

0.858518

T1[s] T2[s]

NaNs NaNs

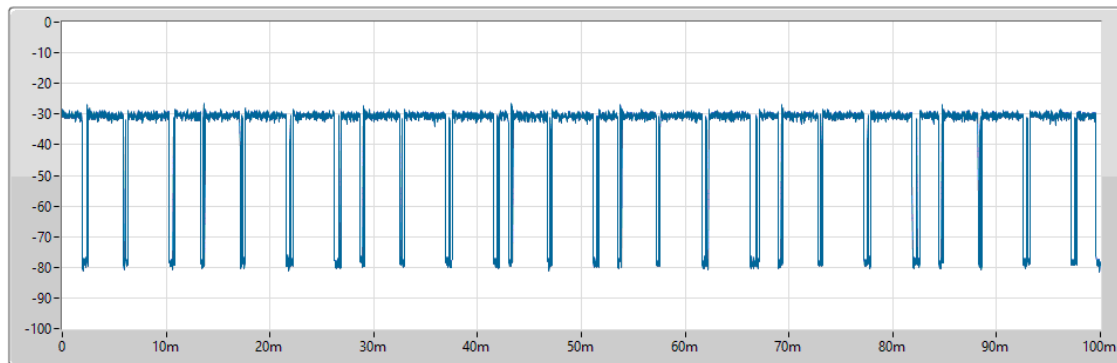
T3[s] T4[s]

NaNs NaNs

Bandwidth 160MHz: Traffic Loading Plot - 6740MHz

Time Analysis

Main



01/06/2024

Sample Time

12.5us

All TX Time

87.4ms

All TX Sample

6992

Duty Cycle

0.873891

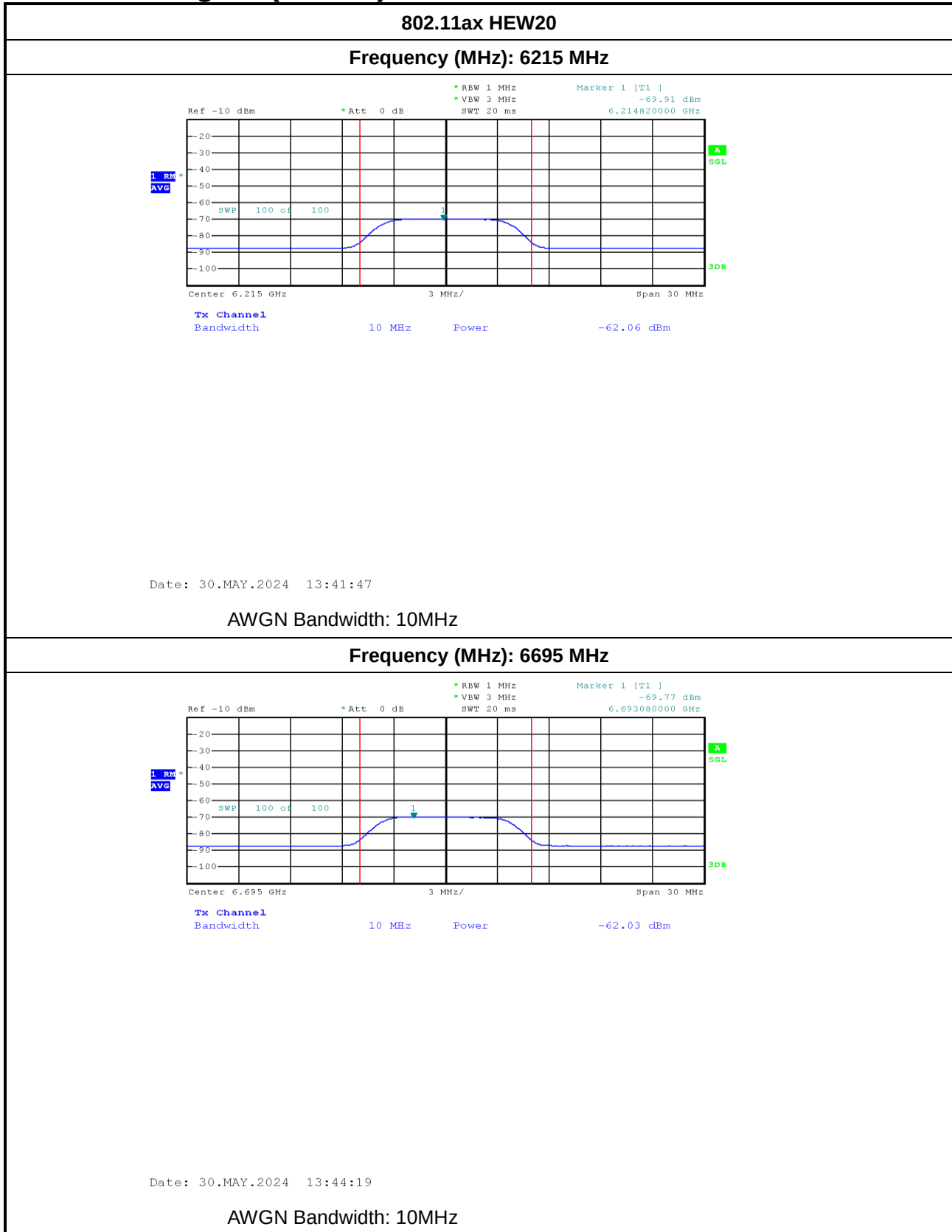
T1[s] T2[s]

NaNs NaNs

T3[s] T4[s]

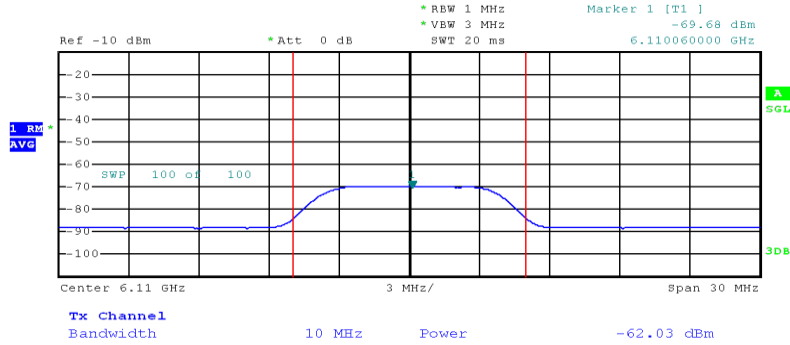
NaNs NaNs

1. Incumbent signal (AWGN) Plot



802.11ax HEW160

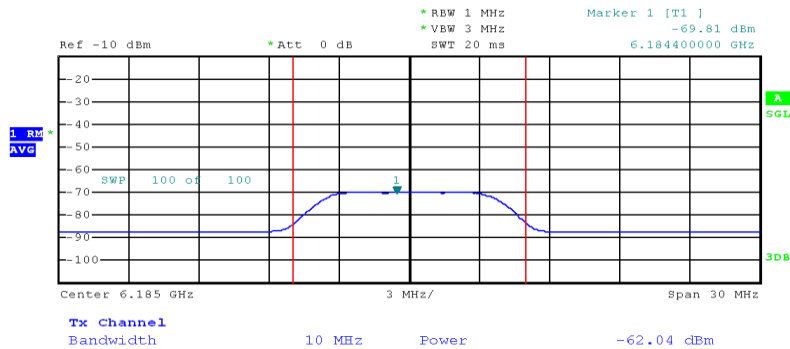
Frequency (MHz): 6110 MHz



Date: 30.MAY.2024 14:08:51

AWGN Bandwidth: 10MHz

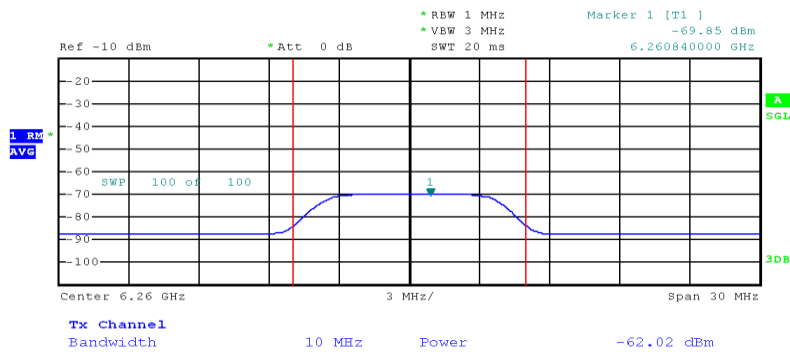
Frequency (MHz): 6185 MHz



Date: 30.MAY.2024 14:13:06

AWGN Bandwidth: 10MHz

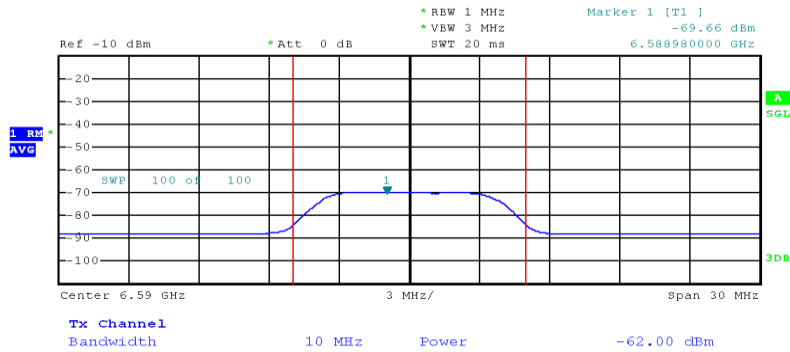
Frequency (MHz): 6260 MHz



Date: 30.MAY.2024 13:50:44

AWGN Bandwidth: 10MHz

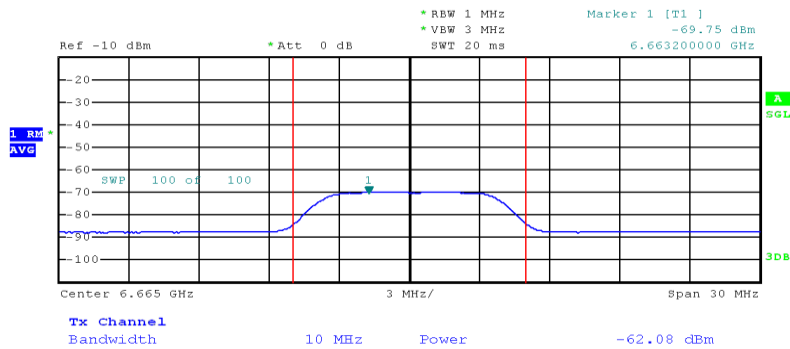
Frequency (MHz): 6590 MHz



Date: 30.MAY.2024 14:16:51

AWGN Bandwidth: 10MHz

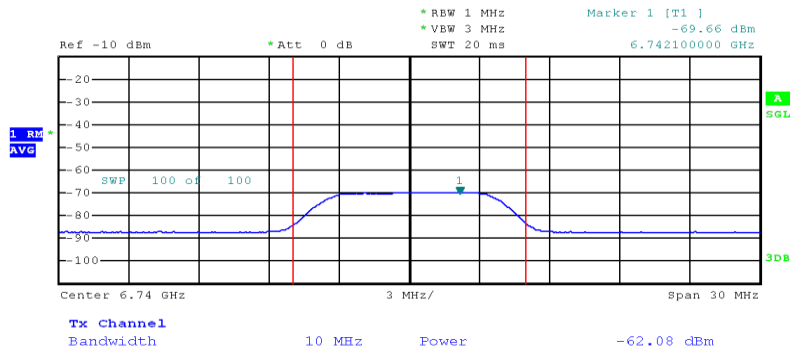
Frequency (MHz): 6665 MHz



Date: 30.MAY.2024 14:18:06

AWGN Bandwidth: 10MHz

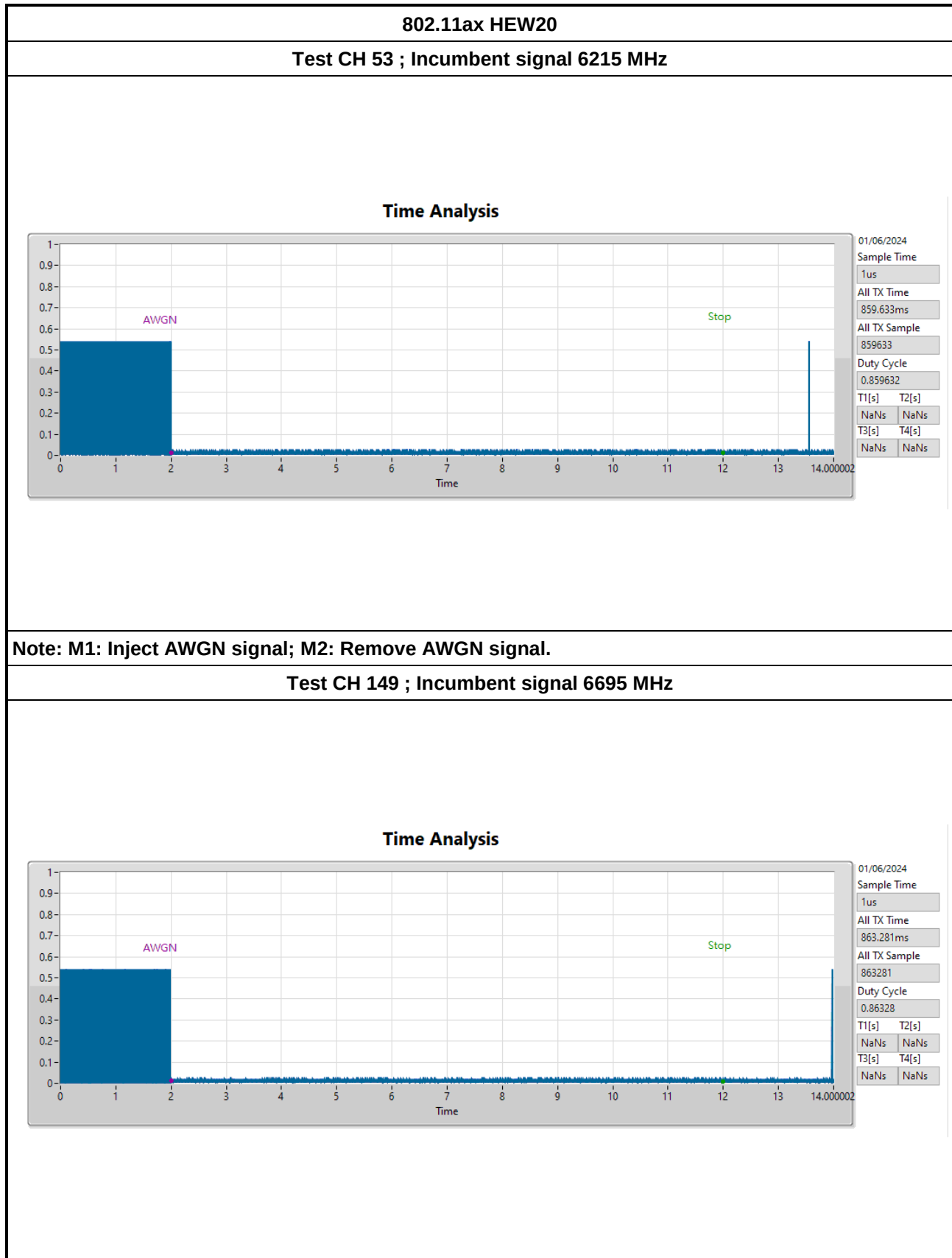
Frequency (MHz): 6740 MHz



Date: 30.MAY.2024 14:00:29

AWGN Bandwidth: 10MHz

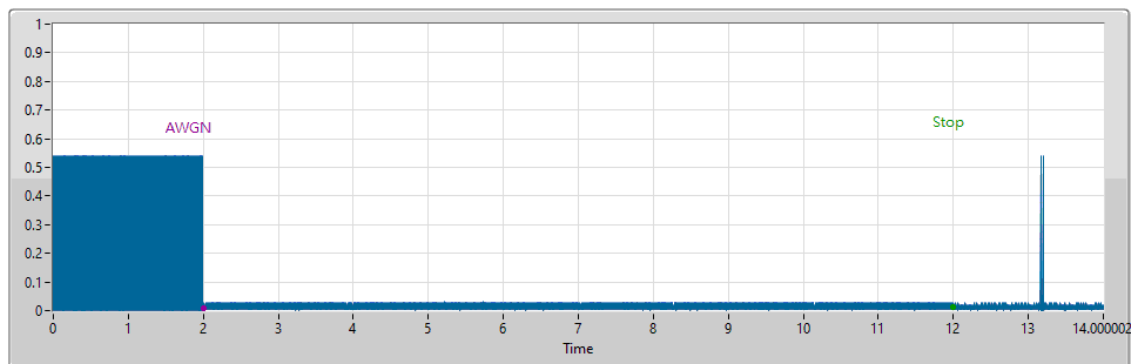
2. Contention-Based Protocol Plot



802.11ax HEW160

Test CH 47 ; Incumbent signal 6110 MHz

Time Analysis

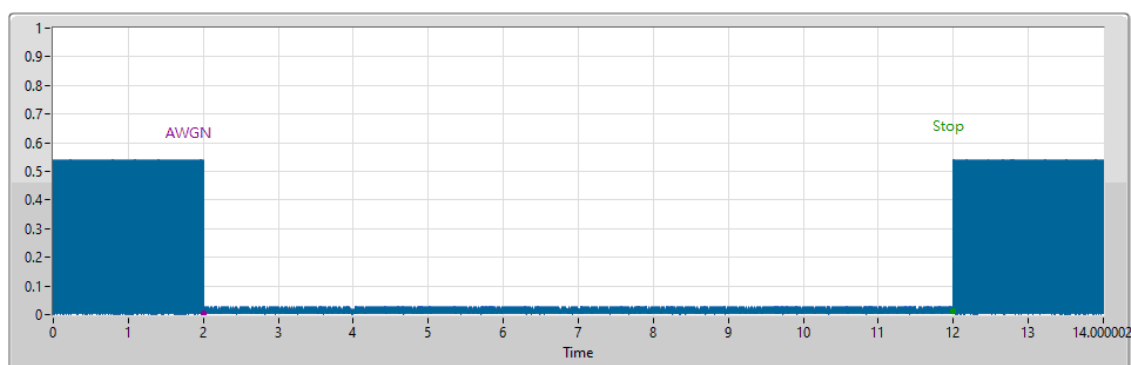


01/06/2024	
Sample Time	
1us	
All TX Time	
516.856ms	
All TX Sample	
516856	
Duty Cycle	
0.516855	
T1[s]	T2[s]
NaNs	NaNs
T3[s]	T4[s]
NaNs	NaNs

Note: M1: Inject AWGN signal; M2: Remove AWGN signal.

Test CH 47 ; Incumbent signal 6185 MHz

Time Analysis

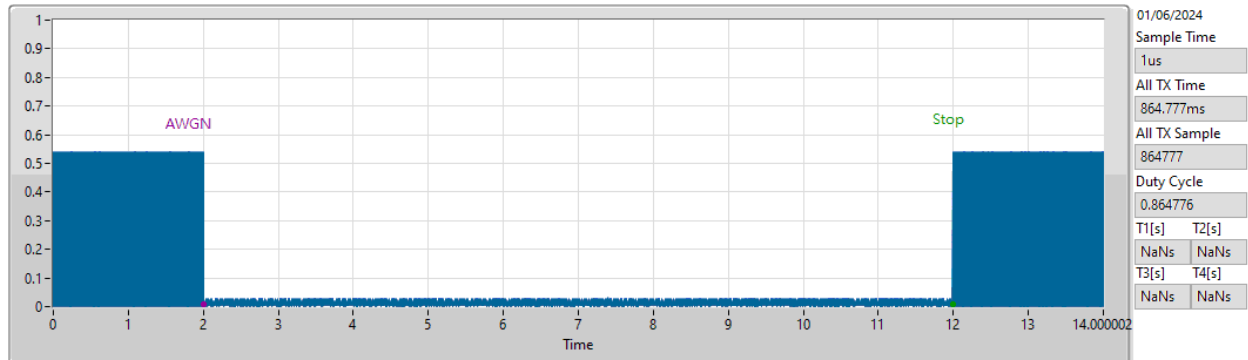


01/06/2024	
Sample Time	
1us	
All TX Time	
848.434ms	
All TX Sample	
848434	
Duty Cycle	
0.848433	
T1[s]	T2[s]
NaNs	NaNs
T3[s]	T4[s]
NaNs	NaNs

Note: M1: Inject AWGN signal; M2: Remove AWGN signal.

Test CH 47 ; Incumbent signal 6260 MHz

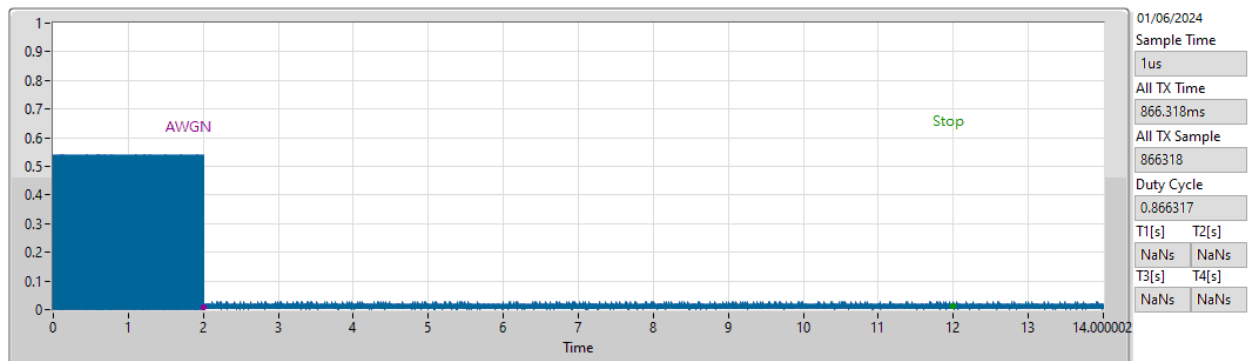
Time Analysis



Note: M1: Inject AWGN signal; M2: Remove AWGN signal.

Test CH 143 ; Incumbent signal 6590 MHz

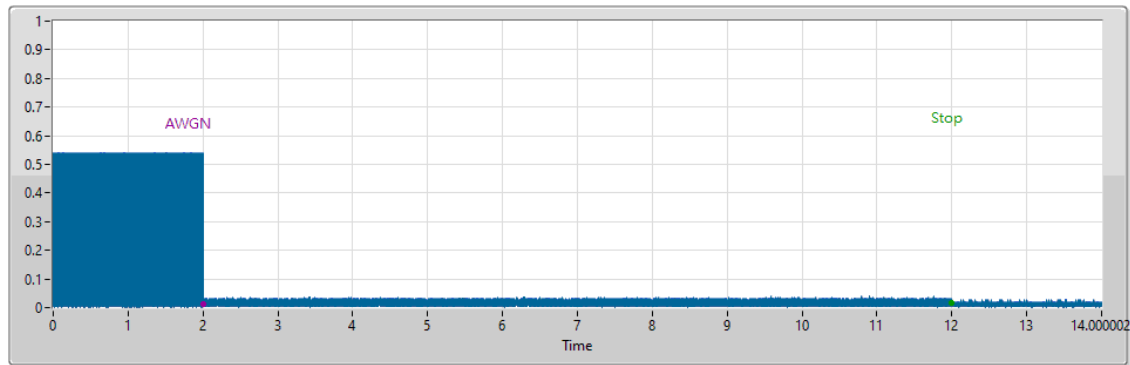
Time Analysis



Note: M1: Inject AWGN signal; M2: Remove AWGN signal.

Test CH 143 ; Incumbent signal 6665 MHz

Time Analysis

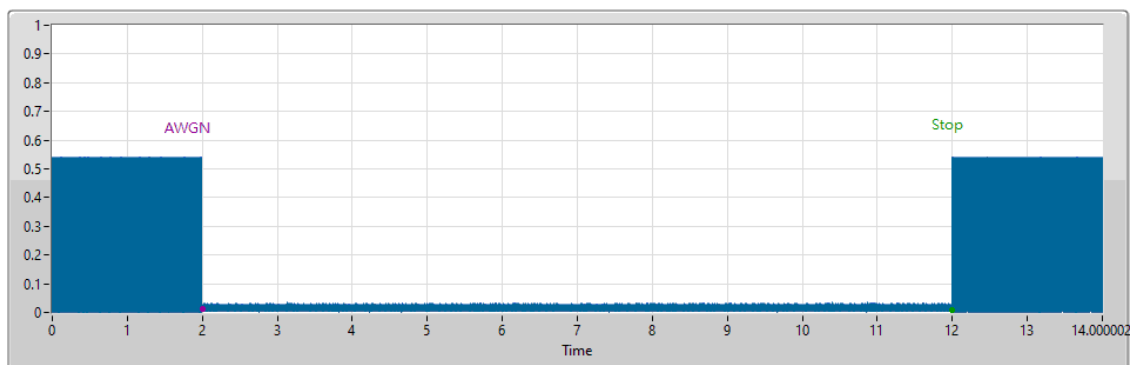


01/06/2024	
Sample Time	
1us	
All TX Time	
825.538ms	
All TX Sample	
825538	
Duty Cycle	
0.825537	
T1[s]	T2[s]
NaNs	NaNs
T3[s]	T4[s]
NaNs	NaNs

Note: M1: Inject AWGN signal; M2: Remove AWGN signal.

Test CH 143 ; Incumbent signal 6740 MHz

Time Analysis



01/06/2024	
Sample Time	
1us	
All TX Time	
860.294ms	
All TX Sample	
860294	
Duty Cycle	
0.860293	
T1[s]	T2[s]
NaNs	NaNs
T3[s]	T4[s]
NaNs	NaNs

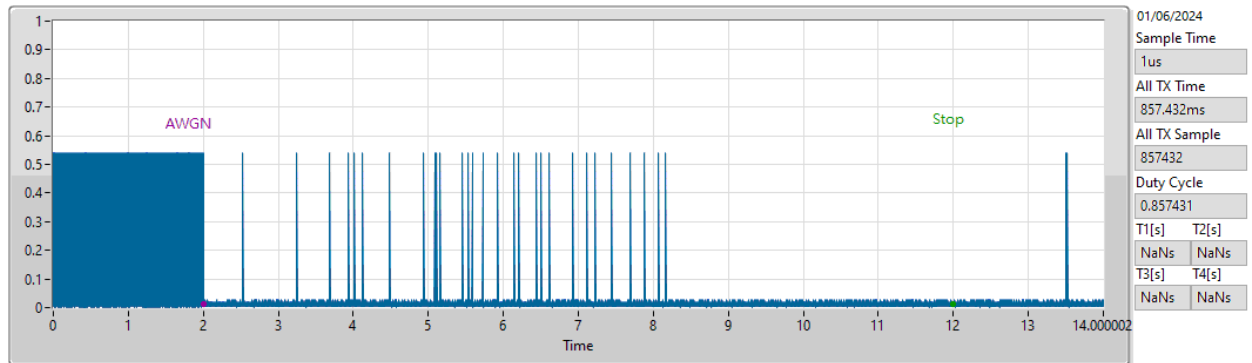
Note: M1: Inject AWGN signal; M2: Remove AWGN signal.

3. Contention Based Protocol Threshold Level Verify Plot



Frequency (MHz): 6215 MHz (Threshold Level: -67 dBm)

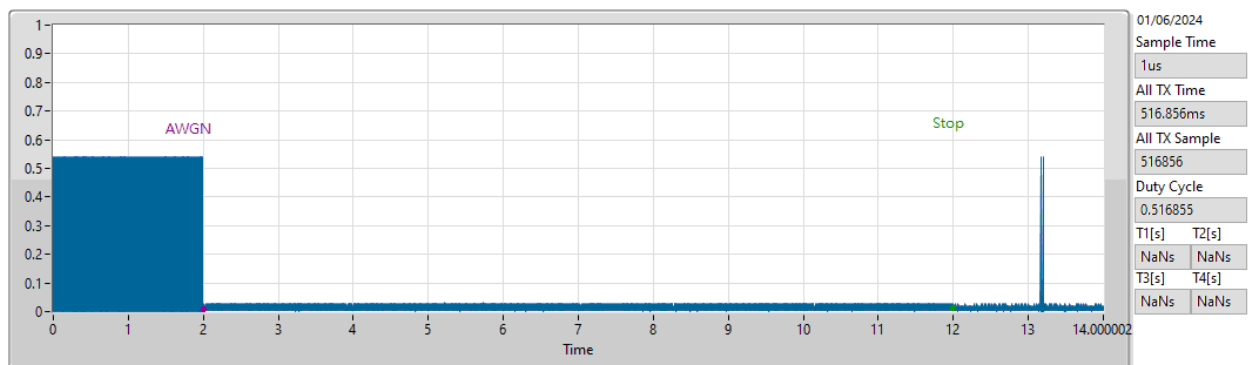
Time Analysis



Bandwidth (MHz): 160

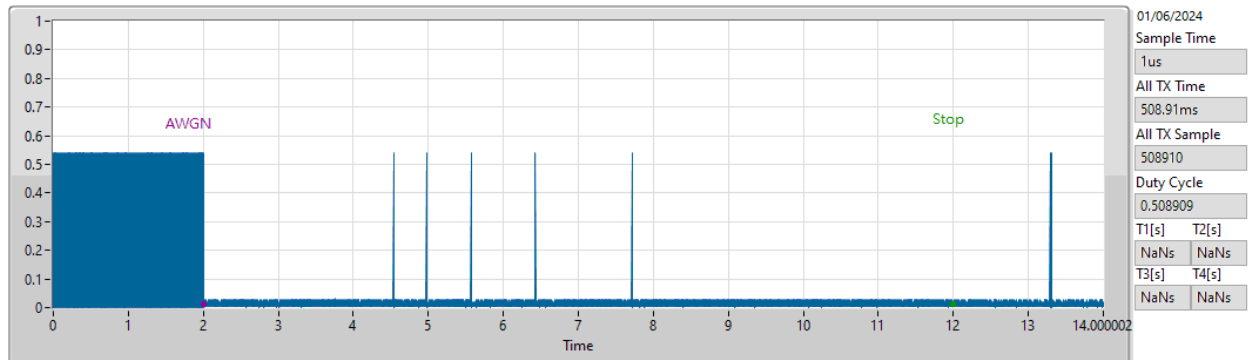
Frequency (MHz): 6110 MHz (Threshold Level: -62dBm)

Time Analysis



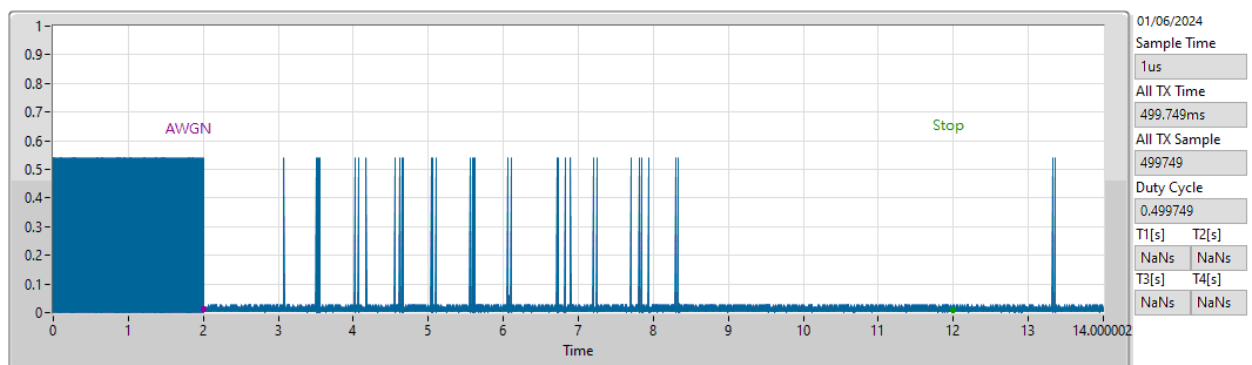
Frequency (MHz): 6110 MHz (Threshold Level: -63dBm)

Time Analysis



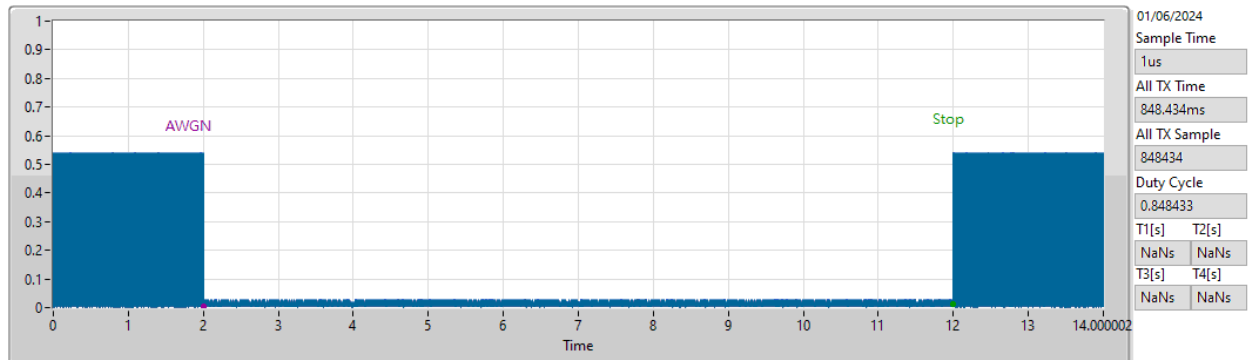
Frequency (MHz): 6110 MHz (Threshold Level: -64dBm)

Time Analysis



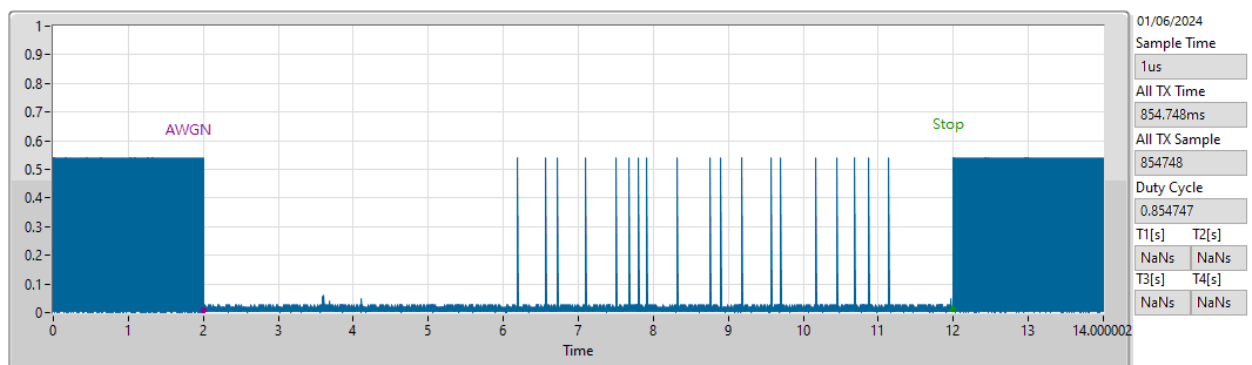
Frequency (MHz): 6185 MHz (Threshold Level: -61dBm)

Time Analysis



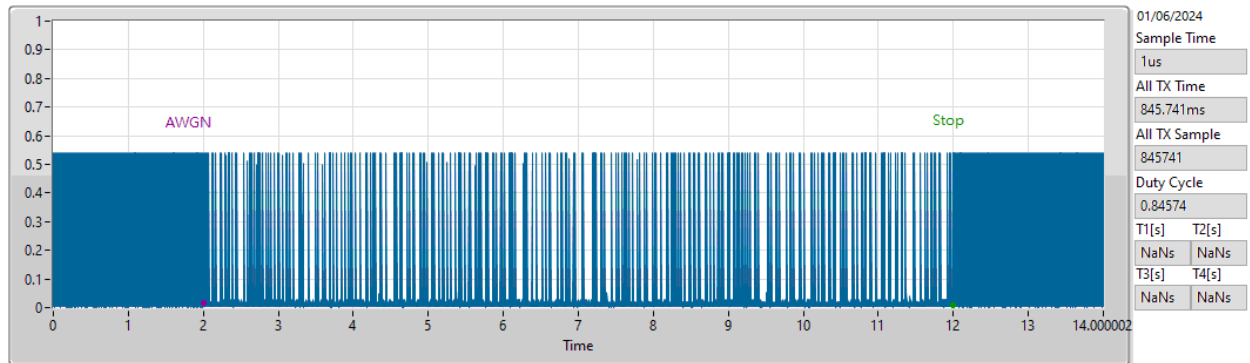
Frequency (MHz): 6185 MHz (Threshold Level: -62dBm)

Time Analysis



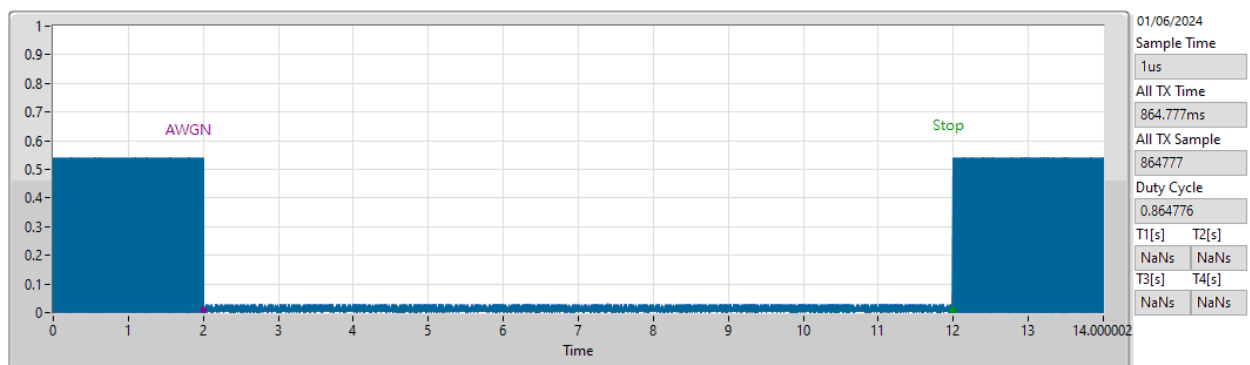
Frequency (MHz): 6185 MHz (Threshold Level: -63dBm)

Time Analysis



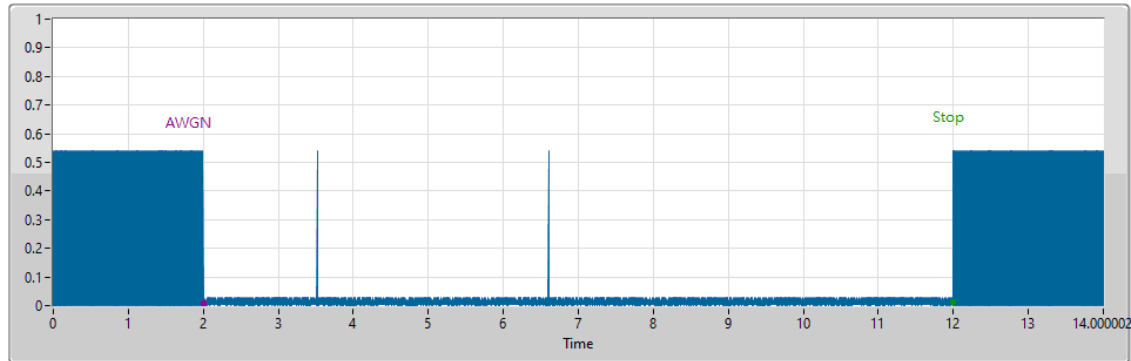
Frequency (MHz): 6260 MHz (Threshold Level: -64dBm)

Time Analysis



Frequency (MHz): 6260 MHz (Threshold Level: -65dBm)

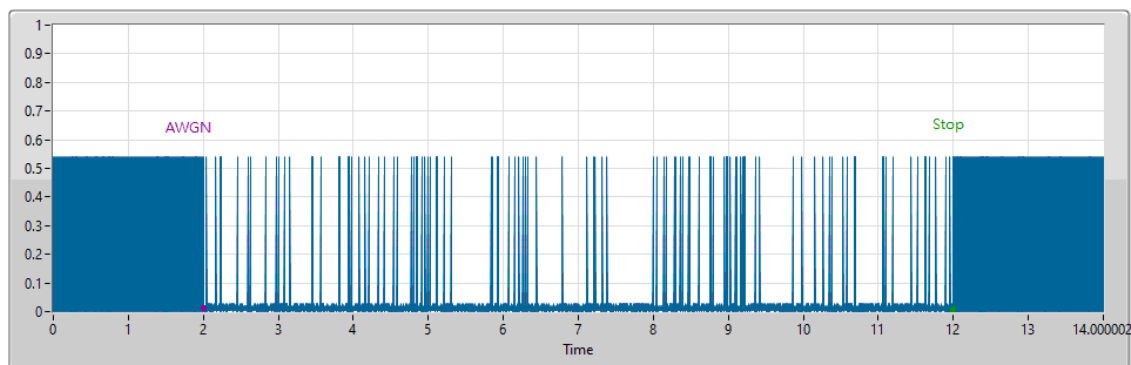
Time Analysis



01/06/2024	
Sample Time	
1us	
All TX Time	
865.32ms	
All TX Sample	
865320	
Duty Cycle	
0.865319	
T1[s]	T2[s]
NaNs	NaNs
T3[s]	T4[s]
NaNs	NaNs

Frequency (MHz): 6260 MHz (Threshold Level: -66dBm)

Time Analysis



01/06/2024	
Sample Time	
1us	
All TX Time	
866.575ms	
All TX Sample	
866575	
Duty Cycle	
0.866574	
T1[s]	T2[s]
NaNs	NaNs
T3[s]	T4[s]
NaNs	NaNs

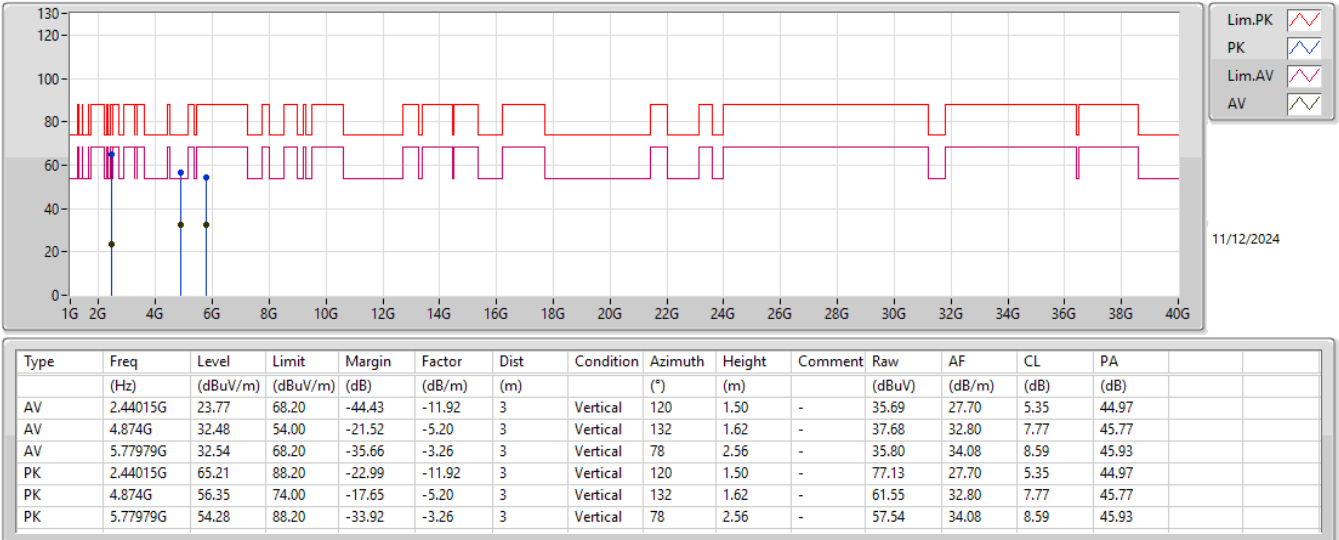
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	4.87402G	57.75	74.00	-16.25	Horizontal
Mode 2	Pass	PK	4.8739G	56.60	74.00	-17.40	Horizontal
Mode 3	Pass	AV	2.44029G	59.06	68.20	-9.14	Vertical

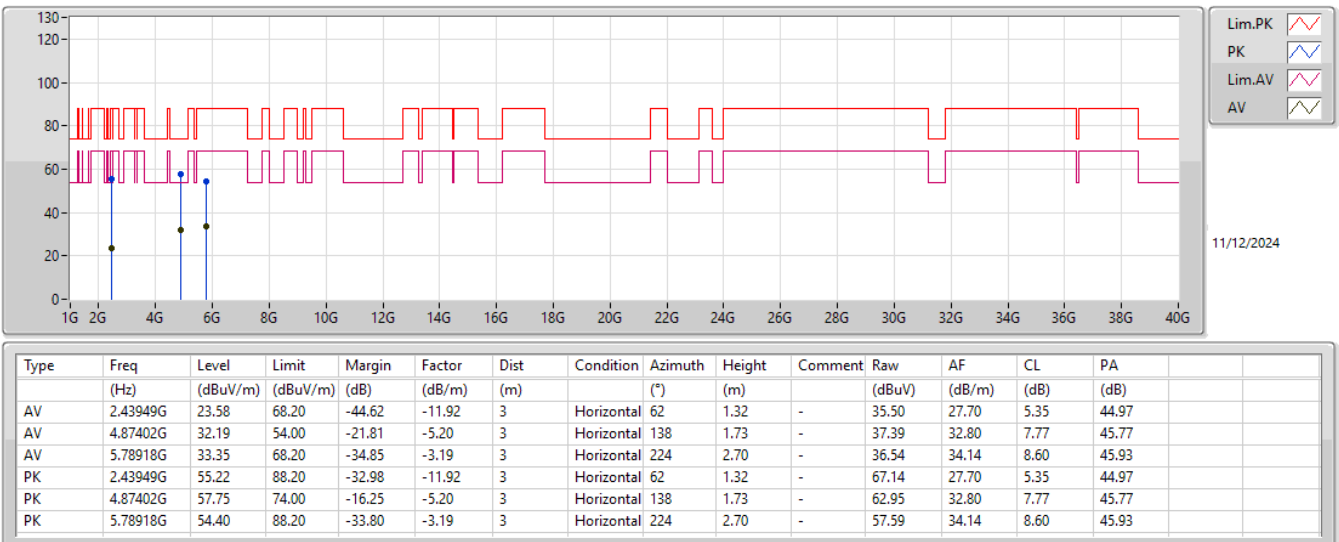
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Mode 1	Pass	AV	2.44015G	23.77	68.20	-44.43	3	Vertical	120	1.50
Mode 1	Pass	AV	4.874G	32.48	54.00	-21.52	3	Vertical	132	1.62
Mode 1	Pass	AV	5.77979G	32.54	68.20	-35.66	3	Vertical	78	2.56
Mode 1	Pass	PK	2.44015G	65.21	88.20	-22.99	3	Vertical	120	1.50
Mode 1	Pass	PK	4.874G	56.35	74.00	-17.65	3	Vertical	132	1.62
Mode 1	Pass	PK	5.77979G	54.28	88.20	-33.92	3	Vertical	78	2.56
Mode 1	Pass	AV	2.43949G	23.58	68.20	-44.62	3	Horizontal	62	1.32
Mode 1	Pass	AV	4.87402G	32.19	54.00	-21.81	3	Horizontal	138	1.73
Mode 1	Pass	AV	5.78918G	33.35	68.20	-34.85	3	Horizontal	224	2.70
Mode 1	Pass	PK	2.43949G	55.22	88.20	-32.98	3	Horizontal	62	1.32
Mode 1	Pass	PK	4.87402G	57.75	74.00	-16.25	3	Horizontal	138	1.73
Mode 1	Pass	PK	5.78918G	54.40	88.20	-33.80	3	Horizontal	224	2.70
Mode 2	Pass	AV	2.43931G	23.32	68.20	-44.88	3	Vertical	132	1.68
Mode 2	Pass	AV	5.19592G	32.67	68.20	-35.53	3	Vertical	62	1.32
Mode 2	Pass	AV	6.10737G	32.90	68.20	-35.30	3	Vertical	221	2.24
Mode 2	Pass	PK	2.43931G	62.53	88.20	-25.67	3	Vertical	132	1.68
Mode 2	Pass	PK	5.19592G	46.34	88.20	-41.86	3	Vertical	62	1.32
Mode 2	Pass	PK	6.10737G	54.25	88.20	-33.95	3	Vertical	221	2.24
Mode 2	Pass	AV	2.49857G	24.64	54.00	-29.36	3	Horizontal	116	2.96
Mode 2	Pass	AV	4.8739G	32.36	54.00	-21.64	3	Horizontal	170	1.32
Mode 2	Pass	AV	5.19737G	32.38	68.20	-35.82	3	Horizontal	243	2.22
Mode 2	Pass	PK	2.49857G	41.85	74.00	-32.15	3	Horizontal	116	2.96
Mode 2	Pass	PK	4.8739G	56.60	74.00	-17.40	3	Horizontal	170	1.32
Mode 2	Pass	PK	5.19737G	46.12	88.20	-42.08	3	Horizontal	243	2.22
Mode 3	Pass	AV	2.44029G	59.06	68.20	-9.14	3	Vertical	32	1.20
Mode 3	Pass	AV	4.8739G	32.02	54.00	-21.98	3	Vertical	120	1.50
Mode 3	Pass	AV	5.23439G	32.54	68.20	-35.66	3	Vertical	168	2.22
Mode 3	Pass	PK	2.44029G	63.65	88.20	-24.55	3	Vertical	32	1.20
Mode 3	Pass	PK	4.8739G	56.72	74.00	-17.28	3	Vertical	120	1.50
Mode 3	Pass	PK	5.23439G	46.23	88.20	-41.97	3	Vertical	168	2.22
Mode 3	Pass	AV	4.874G	32.13	54.00	-21.87	3	Horizontal	168	1.82
Mode 3	Pass	AV	6.48994G	34.99	68.20	-33.21	3	Horizontal	100	1.50
Mode 3	Pass	AV	6.90743G	36.56	68.20	-31.64	3	Horizontal	67	2.10
Mode 3	Pass	PK	4.874G	56.82	74.00	-17.18	3	Horizontal	168	1.82
Mode 3	Pass	PK	6.48994G	48.95	88.20	-39.25	3	Horizontal	100	1.50
Mode 3	Pass	PK	6.90743G	50.04	88.20	-38.16	3	Horizontal	67	2.10

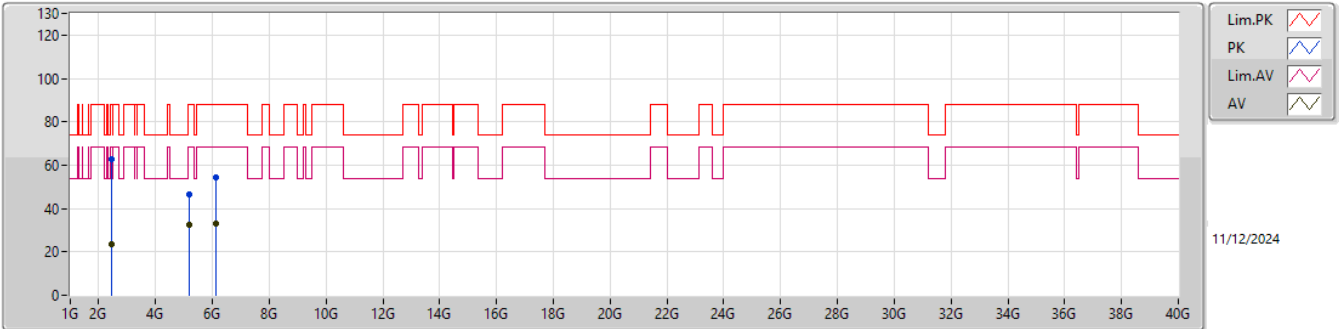
Radiated Emissions above 1GHz_Mode 1



Radiated Emissions above 1GHz_Mode 1

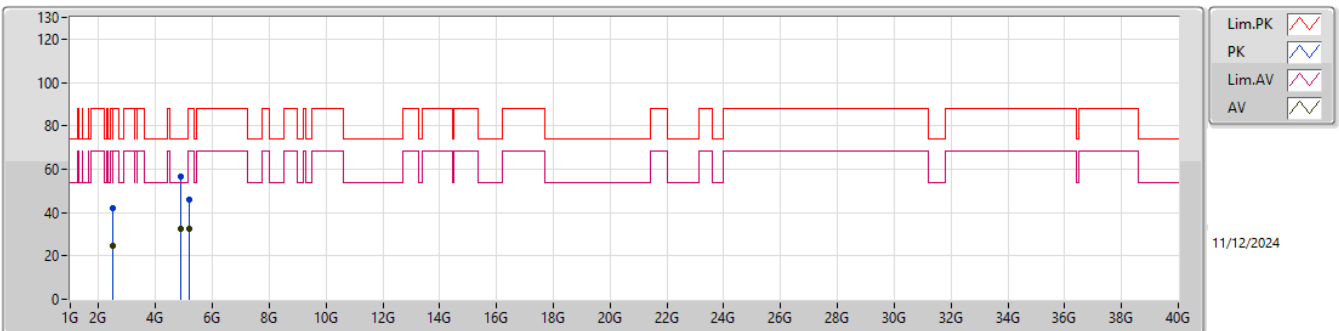


Radiated Emissions above 1GHz_Mode 2



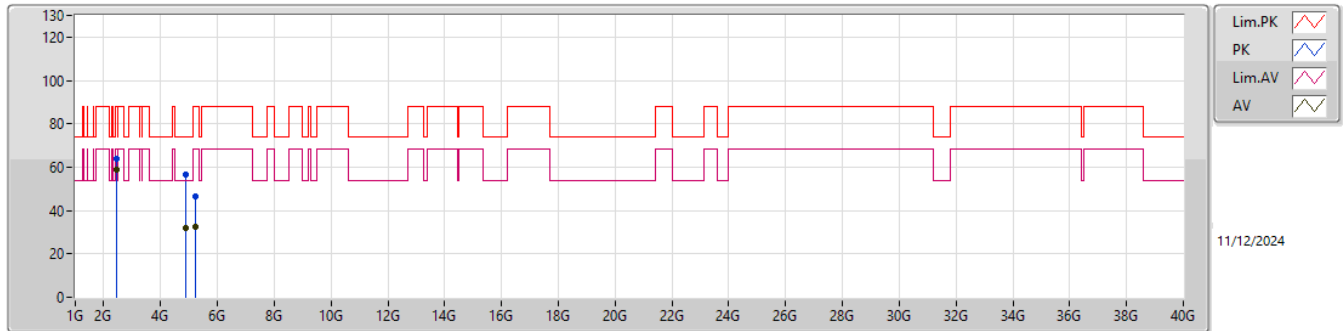
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)
AV	2.43931G	23.32	68.20	-44.88	-11.92	3	Vertical	132	1.68	-	35.24	27.70	5.35	44.97
AV	5.19592G	32.67	68.20	-35.53	-4.69	3	Vertical	62	1.32	-	37.36	33.12	7.98	45.79
AV	6.10737G	32.90	68.20	-35.30	-2.96	3	Vertical	221	2.24	-	35.86	34.31	8.71	45.98
PK	2.43931G	62.53	88.20	-25.67	-11.92	3	Vertical	132	1.68	-	74.45	27.70	5.35	44.97
PK	5.19592G	46.34	88.20	-41.86	-4.69	3	Vertical	62	1.32	-	51.03	33.12	7.98	45.79
PK	6.10737G	54.25	88.20	-33.95	-2.96	3	Vertical	221	2.24	-	57.21	34.31	8.71	45.98

Radiated Emissions above 1GHz_Mode 2



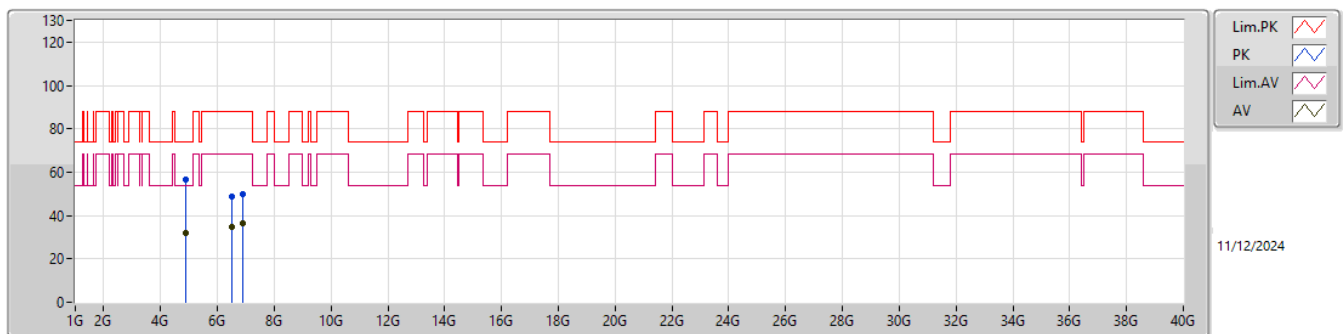
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)
AV	2.49857G	24.64	54.00	-29.36	-11.62	3	Horizontal	116	2.96	-	36.26	27.90	5.46	44.98
AV	4.8739G	32.36	54.00	-21.64	-5.20	3	Horizontal	170	1.32	-	37.56	32.80	7.77	45.77
AV	5.19737G	32.38	68.20	-35.82	-4.70	3	Horizontal	243	2.22	-	37.08	33.11	7.98	45.79
PK	2.49857G	41.85	74.00	-32.15	-11.62	3	Horizontal	116	2.96	-	53.47	27.90	5.46	44.98
PK	4.8739G	56.60	74.00	-17.40	-5.20	3	Horizontal	170	1.32	-	61.80	32.80	7.77	45.77
PK	5.19737G	46.12	88.20	-42.08	-4.70	3	Horizontal	243	2.22	-	50.82	33.11	7.98	45.79

Radiated Emissions above 1GHz_Mode 3



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)
AV	2.44029G	59.06	68.20	-9.14	-11.92	3	Vertical	32	1.20	-	70.98	27.70	5.35	44.97
AV	4.8739G	32.02	54.00	-21.98	-5.20	3	Vertical	120	1.50	-	37.22	32.80	7.77	45.77
AV	5.23439G	32.54	68.20	-35.66	-4.68	3	Vertical	168	2.22	-	37.22	33.10	8.02	45.80
PK	2.44029G	63.65	88.20	-24.55	-11.92	3	Vertical	32	1.20	-	75.57	27.70	5.35	44.97
PK	4.8739G	56.72	74.00	-17.28	-5.20	3	Vertical	120	1.50	-	61.92	32.80	7.77	45.77
PK	5.23439G	46.23	88.20	-41.97	-4.68	3	Vertical	168	2.22	-	50.91	33.10	8.02	45.80

Radiated Emissions above 1GHz_Mode 3



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.874G	32.13	54.00	-21.87	-5.20	3	Horizontal	168	1.82	-	37.33	32.80	7.77	45.77
AV	6.48994G	34.99	68.20	-33.21	-1.76	3	Horizontal	100	1.50	-	36.75	35.34	8.90	46.00
AV	6.90743G	36.56	68.20	-31.64	-0.48	3	Horizontal	67	2.10	-	37.04	36.10	9.20	45.78
PK	4.874G	56.82	74.00	-17.18	-5.20	3	Horizontal	168	1.82	-	62.02	32.80	7.77	45.77
PK	6.48994G	48.95	88.20	-39.25	-1.76	3	Horizontal	100	1.50	-	50.71	35.34	8.90	46.00
PK	6.90743G	50.04	88.20	-38.16	-0.48	3	Horizontal	67	2.10	-	50.52	36.10	9.20	45.78