



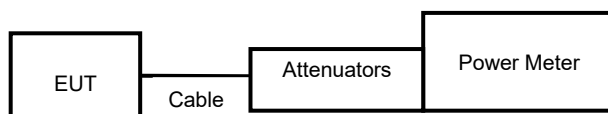
Frequency Band		Limit
☒	5.25-5.35 GHz	The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW (24dBm) or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
☒	5.470-5.725 GHz	
☒	5.725~5.85 GHz	The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm). If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power.

10.2.Test Procedure

According to the methods defined in ANSI C63.10-2020+Cor.1-2023 and ANSI C63.10a-2024 Section 12.4

The transmitter output is connected to a power meter.

10.3.Test Setup Layout





10.4. Test Result and Data

Modulation Type	Data Rate	Setting	CH	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
11a	6 Mbps	18.5	36	5180	17.25	17.25	53.088	24.00
11a	6 Mbps	18.5	40	5200	17.49	17.49	56.105	24.00
11a	6 Mbps	18.5	48	5240	17.33	17.33	54.075	24.00
11ax HE20	NSS1-MCS0	18.5	36	5180	17.07	17.07	50.933	24.00
11ax HE20	NSS1-MCS0	18.5	40	5200	17.23	17.23	52.845	24.00
11ax HE20	NSS1-MCS0	18.5	48	5240	17.13	17.13	51.642	24.00
11ax HE40	NSS1-MCS0	17.5	38	5190	16.49	16.49	44.566	24.00
11ax HE40	NSS1-MCS0	18.5	46	5230	17.51	17.51	56.364	24.00
11ax HE80	NSS1-MCS0	17.5	42	5210	16.35	16.35	43.152	24.00

Modulation Type	Data Rate	Setting	CH	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
11a	6 Mbps	19	52	5260	17.79	17.79	60.117	24.00
11a	6 Mbps	19	60	5300	17.65	17.65	58.210	23.99
11a	6 Mbps	19	64	5320	17.63	17.63	57.943	24.00
11ax HE20	NSS1-MCS0	19	52	5260	17.59	17.59	57.412	24.00
11ax HE20	NSS1-MCS0	19	60	5300	17.55	17.55	56.885	24.00
11ax HE20	NSS1-MCS0	19	64	5320	17.41	17.41	55.081	24.00
11ax HE40	NSS1-MCS0	19	54	5270	17.88	17.88	61.376	24.00
11ax HE40	NSS1-MCS0	17.5	62	5310	16.41	16.41	43.752	24.00
11ax HE80	NSS1-MCS0	17.5	58	5290	16.22	16.22	41.879	24.00



Modulation Type	Data Rate	Setting	CH	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
11a	6 Mbps	18.5	100	5500	16.65	16.65	46.238	23.87
11a	6 Mbps	19	120	5600	17.19	17.19	52.360	23.94
11a	6 Mbps	17.5	140	5700	16.83	16.83	48.195	23.94
11ax HE20	NSS1-MCS0	18	100	5500	16.02	16.02	39.994	24.00
11ax HE20	NSS1-MCS0	18.5	120	5600	16.51	16.51	44.771	24.00
11ax HE20	NSS1-MCS0	17	140	5700	16.07	16.07	40.458	24.00
11ax HE40	NSS1-MCS0	16.5	102	5510	14.70	14.70	29.512	24.00
11ax HE40	NSS1-MCS0	19	118	5590	17.25	17.25	53.088	24.00
11ax HE40	NSS1-MCS0	17.5	134	5670	16.16	16.16	41.305	24.00
11ax HE80	NSS1-MCS0	16.5	106	5530	14.74	14.74	29.785	24.00
11ax HE80	NSS1-MCS0	18.5	122	5610	16.72	16.72	46.989	24.00
11ax HE160	NSS1-MCS0	14.5	114	5570	12.84	12.84	19.231	24.00

Modulation Type	Data Rate	Setting	CH	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
11a	6 Mbps	18.5	149	5745	18.12	18.12	64.863	30.00
11a	6 Mbps	19.5	157	5785	19.08	19.08	80.910	30.00
11a	6 Mbps	19.5	165	5825	18.45	18.45	69.984	30.00
11ax HE20	NSS1-MCS0	19	149	5745	18.35	18.35	68.391	30.00
11ax HE20	NSS1-MCS0	19	157	5785	18.45	18.45	69.984	30.00
11ax HE20	NSS1-MCS0	19	165	5825	17.86	17.86	61.094	30.00
11ax HE40	NSS1-MCS0	18	151	5755	17.45	17.45	55.590	30.00
11ax HE40	NSS1-MCS0	18.5	159	5795	17.89	17.89	61.518	30.00
11ax HE80	NSS1-MCS0	16.5	155	5775	16.67	16.67	46.452	30.00



FCC Maximum Conducted Output Power (Within 5470-5725MHz band) RF Output Power(dBm)									
Setting	Modulation Type	Data Rate	Freq. (MHz)	W/O Duty Factor Measured value of each antenna port (dBm)	W/O duty factor Total power (dBm)	Duty Factor (dB)	With duty factor Total power (mW)	With duty factor Total power (dBm)	FCC Limit (dBm)
19.5	11a	6M	5720	18.37	18.37	0.00	68.707	18.37	23.82
19	11ax HE20	NSS1-MCS0	5720	17.74	17.74	0.00	59.429	17.74	23.26
18.5	11ax HE40	NSS1-MCS0	5710	17.93	17.93	0.00	62.087	17.93	24.00
17.5	11ax HE80	NSS1-MCS0	5690	16.82	16.82	0.00	48.084	16.82	24.00

FCC Maximum Conducted Output Power (Extends across 5725MHz band) RF Output Power(dBm)									
Setting	Modulation Type	Data Rate	Freq. (MHz)	W/O Duty Factor Measured value of each antenna port (dBm)	W/O duty factor Total power (dBm)	Duty Factor (dB)	With duty factor Total power (mW)	With duty factor Total power (dBm)	FCC Limit (dBm)
19.5	11a	6M	5720	10.78	10.78	0.00	11.967	10.78	30.00
19	11ax HE20	NSS1-MCS0	5720	11.08	11.08	0.00	12.823	11.08	30.00
18.5	11ax HE40	NSS1-MCS0	5710	6.74	6.74	0.00	4.721	6.74	30.00
17.5	11ax HE80	NSS1-MCS0	5690	1.43	1.43	0.00	1.390	1.43	30.00

Channel	Setting	Modulation Type	Date Rate	Freq. (MHz)	Avg Power Output (dBm)	Total Power (dBm)
Meter power (for full power)						
Ch144	19.5	11a	6 Mbps	5720MHz	18.71	18.71
Ch144	19	11ax HE20	NSS1-MCS0	5720MHz	18.15	18.15
Ch142	18.5	11ax HE40	NSS1-MCS0	5710MHz	17.87	17.87
Ch138	17.5	11ax HE80	NSS1-MCS0	5690MHz	16.49	16.49

Note: Power Meter Average power is for reference only.



FCC Maximum Conducted Output Power (Within 5150-5250MHz band) RF Output Power(dBm)									
Setting	Modulation Type	Data Rate	Freq. (MHz)	W/O Duty Factor Measured value of each antenna port (dBm)	W/O duty factor Total power (dBm)	Duty Factor (dB)	With duty factor Total power (mW)	With duty factor Total power (dBm)	FCC Limit (dBm)
15.5	11ax HE160	NSS1-MCS0	5250	11.62	11.62	0.00	14.521	11.62	24.00

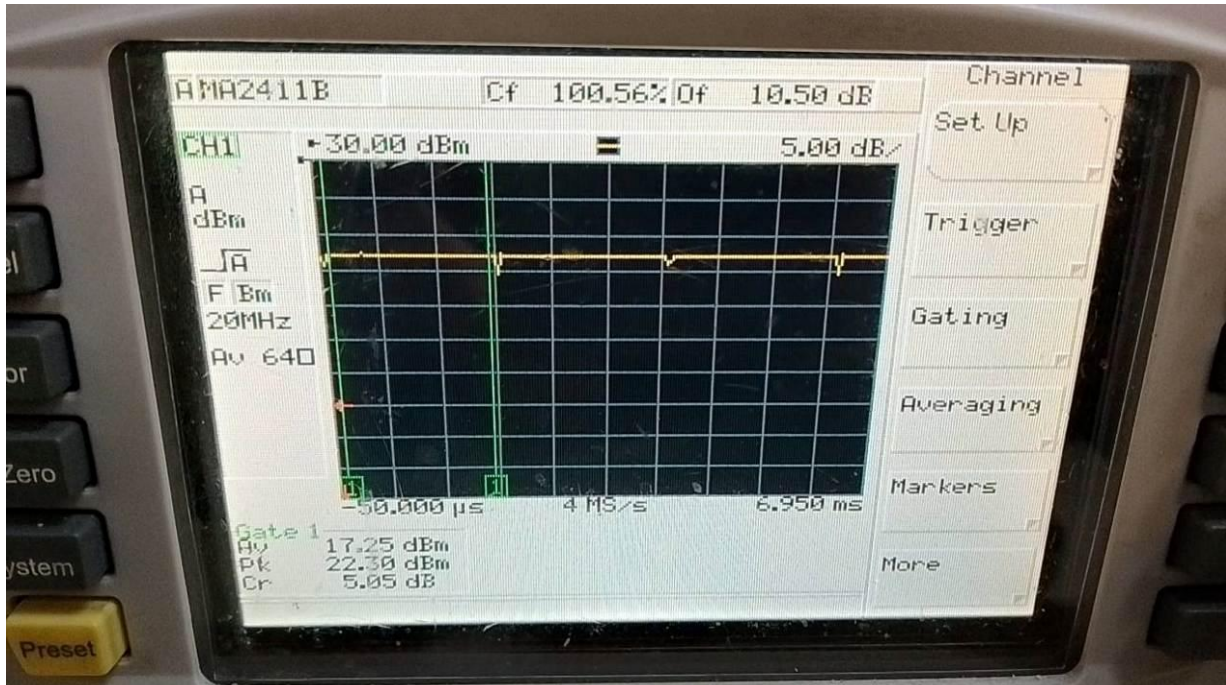
FCC Maximum Conducted Output Power (Extends across 5250MHz band) RF Output Power(dBm)									
Setting	Modulation Type	Data Rate	Freq. (MHz)	W/O Duty Factor Measured value of each antenna port (dBm)	W/O duty factor Total power (dBm)	Duty Factor (dB)	With duty factor Total power (mW)	With duty factor Total power (dBm)	FCC Limit (dBm)
15.5	11ax HE160	NSS1-MCS0	5250	11.30	11.30	0.00	13.490	11.30	24.00

Channel	Setting	Modulation Type	Date Rate	Freq. (MHz)	Avg Power Output (dBm)	Total Power (dBm)
Meter power (for full power)						
50	15.5	11ax HE160	NSS1-MCS0	5250	14.61	14.61

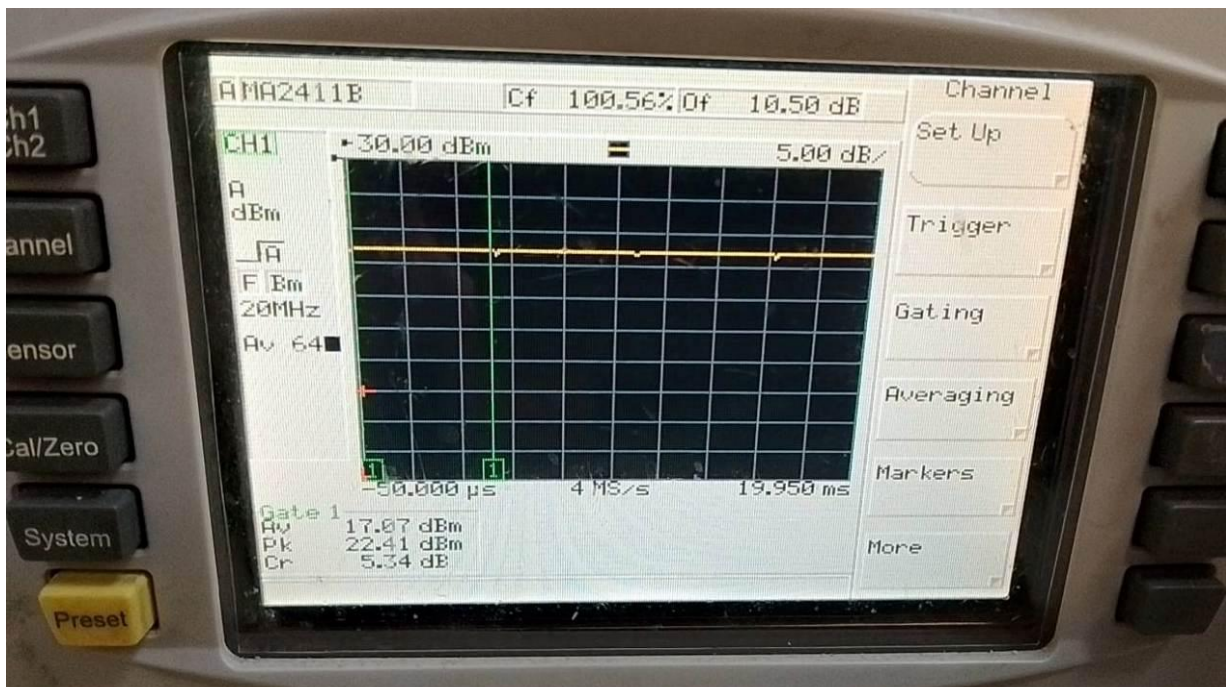
Note: Power Meter Average power is for reference only.



Gate setup plot
Modulation Type: 802.11a

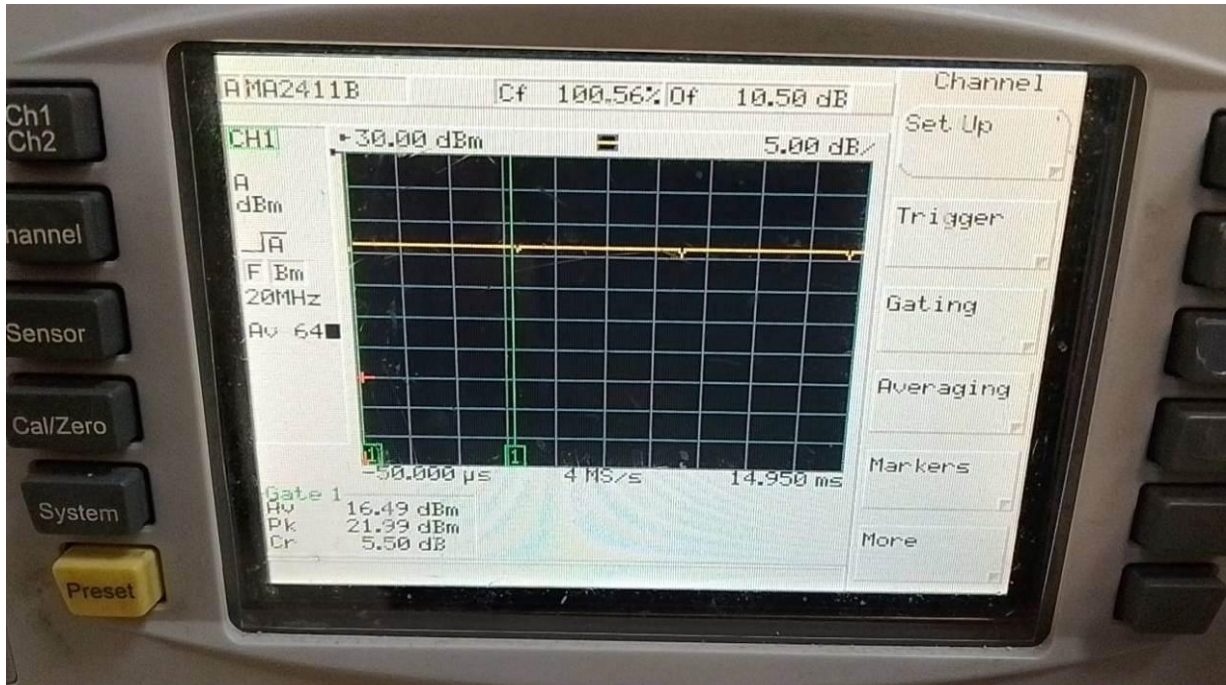


Modulation Type: 802.11ax HE20

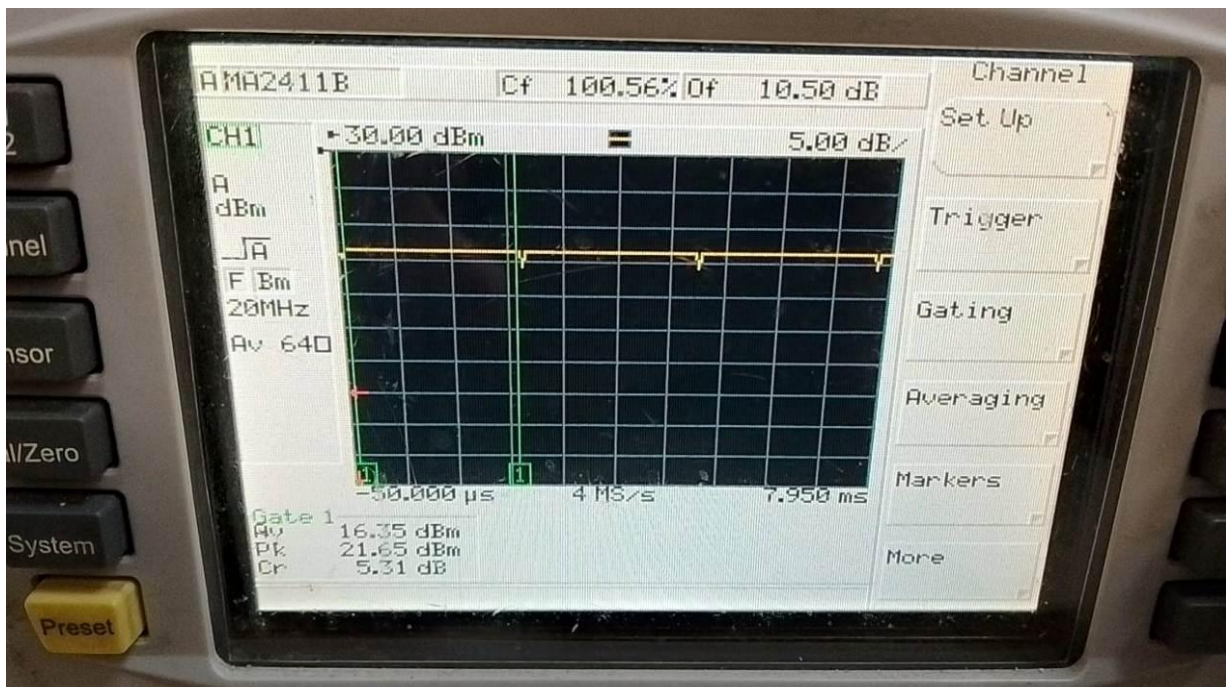




Gate setup plot
Modulation Type: 802.11ax HE40

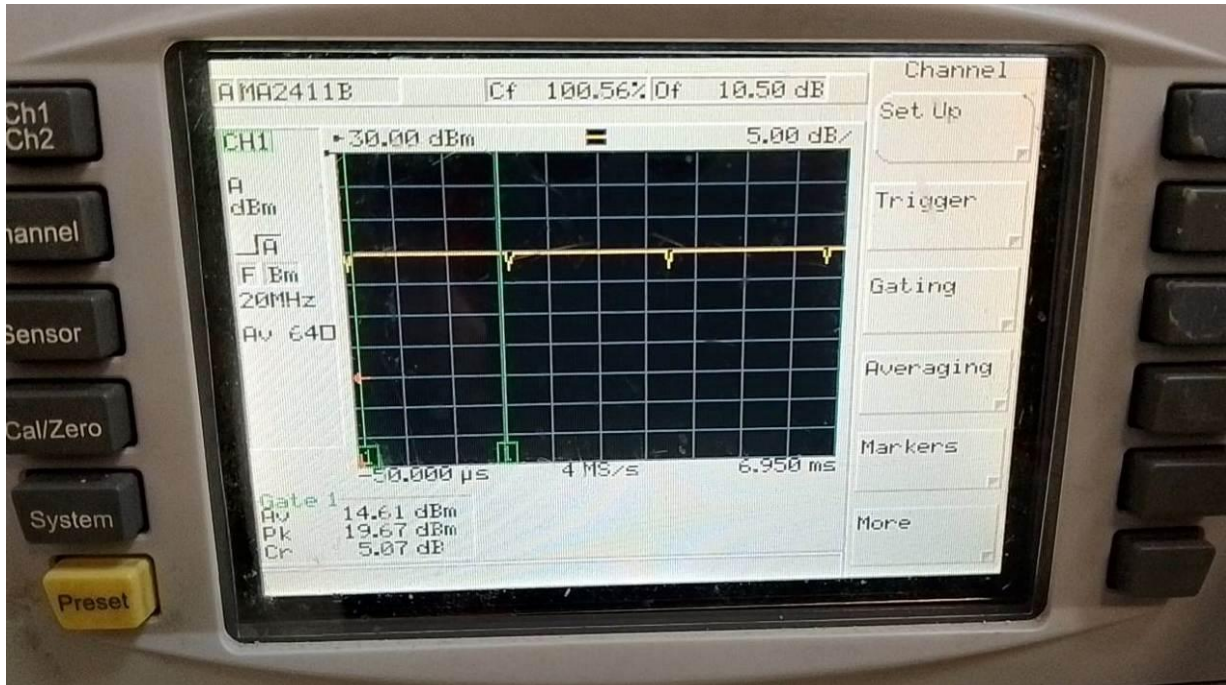


Modulation Type: 802.11ax HE80



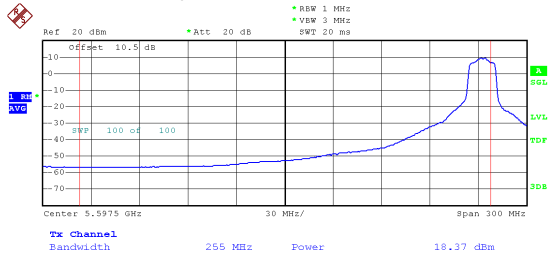


Gate setup plot
Modulation Type: 802.11ax HE160

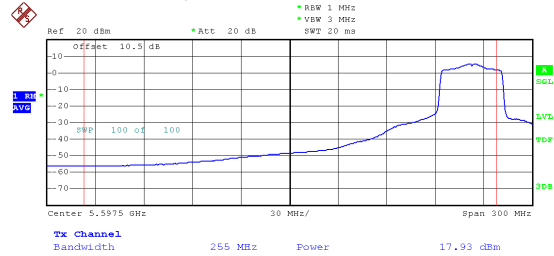




Within 5470-5725MHz Band, Straddle Channel
Modulation Type: 802.11a CH144

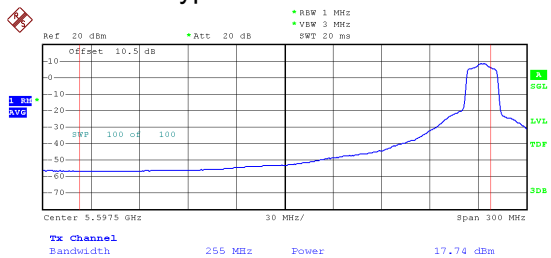


Modulation Type: 802.11ax HE40 CH142



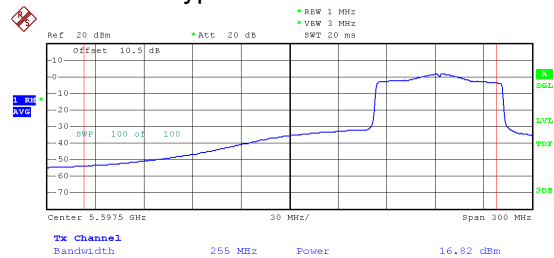
Date: 18.MAY.2026 11:12:37

Modulation Type: 802.11ax HE20 CH144



Date: 18.MAY.2026 14:03:52

Modulation Type: 802.11ax HE80 CH138

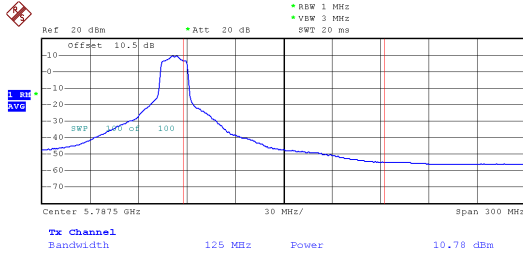


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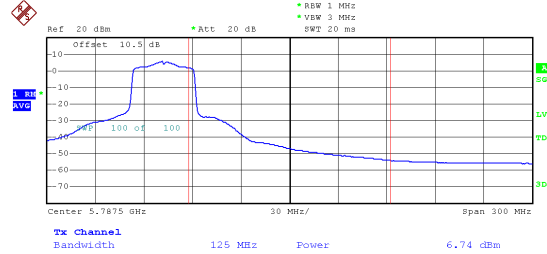
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Extends across 5725MHz Band, Straddle Channel
Modulation Type: 802.11a CH144

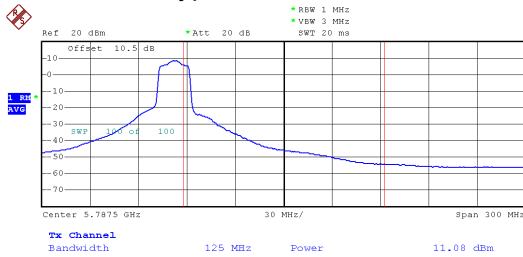


Modulation Type: 802.11ax HE40 CH142



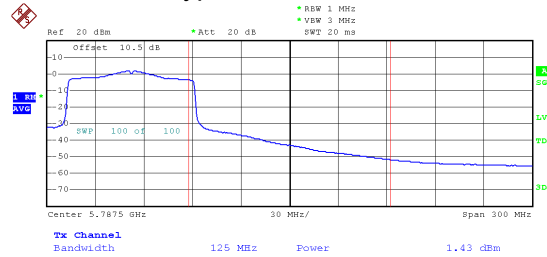
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Modulation Type: 802.11ax HE20 CH144



Date: 18.MAY.2026 14:04:18

Modulation Type: 802.11ax HE80 CH138

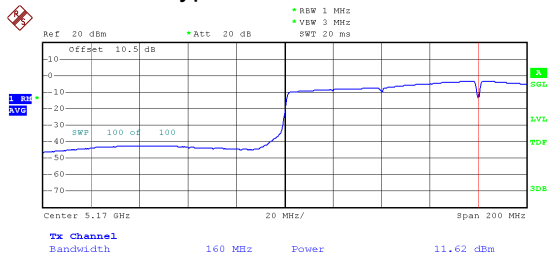


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Date: 18.MAY.2026 14:45:19

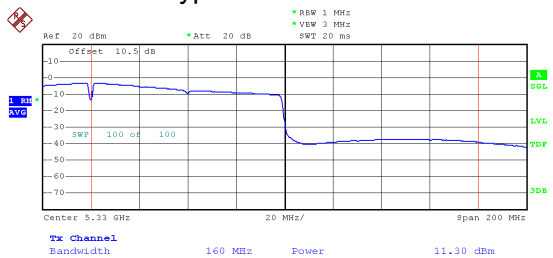


Within 5150-5250MHz Band, Straddle Channel
Modulation Type: 802.11ax HE160 CH50



Date: 18.MAY.2026 16:05:39

Within 5250-5350MHz Band, Straddle Channel
Modulation Type: 802.11ax HE160 CH50



Date: 18.MAY.2026 16:06:04



11. Power Spectral Density

11.1. Test Limit

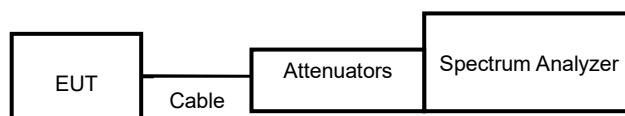
PSD:

Frequency Band		Limit
☒	5.15~5.25GHz	
	Operating Mode	
☐	Outdoor access point	17 dBm/MHz
☐	Indoor access point	17 dBm/MHz
☐	Fixed point-to-point access points	17 dBm/MHz
☒	Mobile and portable client devices	11 dBm/MHz
☒	5.725~5.85 GHz	11 dBm/MHz
☒	5.470-5.725 GHz	11 dBm/MHz
☒	5.725~5.85 GHz	30 dBm/500kHz

11.2. Test Procedure

Reference to KDB789033 D02 General UNII Test Procedures New Rules v02r01

11.3. Test Setup Layout



**11.4. Test Result and Data**

In the 5.2G Band

Modulation Type	Channel	Frequency (MHz)	Meas PSD (dBm/MHz)	Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
11a	36	5180	7.29	7.29	0.00	7.29	11.00
11a	40	5200	7.14	7.14	0.00	7.14	11.00
11a	48	5240	7.06	7.06	0.00	7.06	11.00
11ax HE20	36	5180	6.84	6.84	0.00	6.84	11.00
11ax HE20	40	5200	6.90	6.90	0.00	6.90	11.00
11ax HE20	48	5240	6.67	6.67	0.00	6.67	11.00
11ax HE40	38	5190	3.48	3.48	0.00	3.48	11.00
11ax HE40	46	5230	4.36	4.36	0.00	4.36	11.00
11ax HE80	42	5210	1.03	1.03	0.00	1.03	11.00

In the 5.3G Band

Modulation Type	Channel	Frequency (MHz)	Meas PSD (dBm/MHz)	Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
11a	52	5260	7.48	7.48	0.00	7.48	11.00
11a	60	5300	7.34	7.34	0.00	7.34	11.00
11a	64	5320	7.18	7.18	0.00	7.18	11.00
11ax HE20	52	5260	7.22	7.22	0.00	7.22	11.00
11ax HE20	60	5300	7.10	7.10	0.00	7.10	11.00
11ax HE20	64	5320	6.90	6.90	0.00	6.90	11.00
11ax HE40	54	5270	4.56	4.56	0.00	4.56	11.00
11ax HE40	62	5310	3.17	3.17	0.00	3.17	11.00
11ax HE80	58	5290	0.79	0.79	0.00	0.79	11.00



In the 5.5G Band

Modulation Type	Channel	Frequency (MHz)	Meas PSD (dBm/MHz)	Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
11a	100	5500	7.21	7.21	0.00	7.21	11.00
11a	120	5600	8.11	8.11	0.00	8.11	11.00
11a	140	5700	7.49	7.49	0.00	7.49	11.00
11a	144	5720	9.33	9.33	0.00	9.33	11.00
11ax HE20	100	5500	6.36	6.36	0.00	6.36	11.00
11ax HE20	120	5600	7.21	7.21	0.00	7.21	11.00
11ax HE20	140	5700	6.57	6.57	0.00	6.57	11.00
11ax HE20	144	5720	8.42	8.42	0.00	8.42	11.00
11ax HE40	102	5510	2.36	2.36	0.00	2.36	11.00
11ax HE40	118	5590	5.18	5.18	0.00	5.18	11.00
11ax HE40	134	5670	3.55	3.55	0.00	3.55	11.00
11ax HE40	142	5710	5.42	5.42	0.00	5.42	11.00
11ax HE80	106	5530	0.24	0.24	0.00	0.24	11.00
11ax HE80	122	5610	2.17	2.17	0.00	2.17	11.00
11ax HE80	138	5690	1.69	1.69	0.00	1.69	11.00
11ax HE160	114	5570	-4.35	-4.35	0.00	-4.35	11.00

In the 5.8G Band

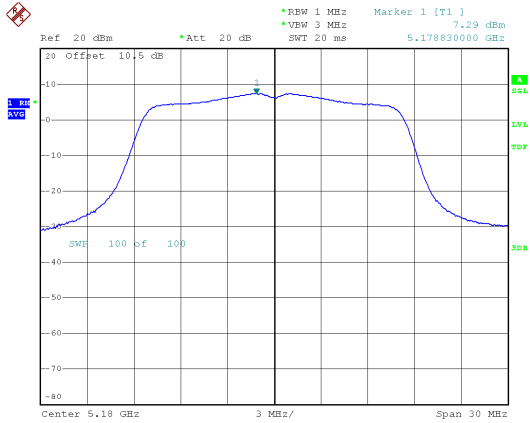
Modulation Type	Channel	Frequency (MHz)	Meas PSD (dBm/MHz)	Sum chain (dBm)	Duty Cycle CF (dB)	10log (500KHz /RBW) CF (dB)	Total Corr'd PSD (dBm/ 500kHz)	PSD Limit (dBm/ 500kHz)
11a	149	5745	8.28	8.28	0.00	-3.01	5.27	30.00
11a	157	5785	9.20	9.20	0.00	-3.01	6.19	30.00
11a	165	5825	8.55	8.55	0.00	-3.01	5.54	30.00
11ax HE20	149	5745	8.66	8.66	0.00	-3.01	5.65	30.00
11ax HE20	157	5785	8.39	8.39	0.00	-3.01	5.38	30.00
11ax HE20	165	5825	7.67	7.67	0.00	-3.01	4.66	30.00
11ax HE40	151	5755	5.00	5.00	0.00	-3.01	1.99	30.00
11ax HE40	159	5795	5.20	5.20	0.00	-3.01	2.19	30.00
11ax HE80	155	5775	1.57	1.57	0.00	-3.01	-1.44	30.00

802.11ax HE160

Modulation Type	Channel	Frequency (MHz)	Meas PSD (dBm/MHz)	Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
11ac HE160	50	5210	-3.44	-3.44	0.00	-3.44	11.00
11ac HE160	50	5290	-3.51	-3.51	0.00	-3.51	11.00

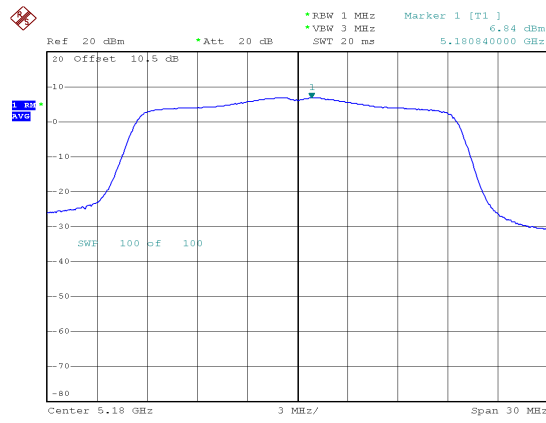


Modulation Type: 802.11a CH36



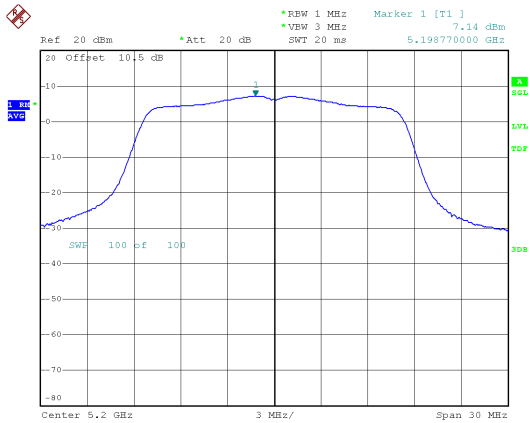
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Modulation Type: 802.11ax HE20 CH36



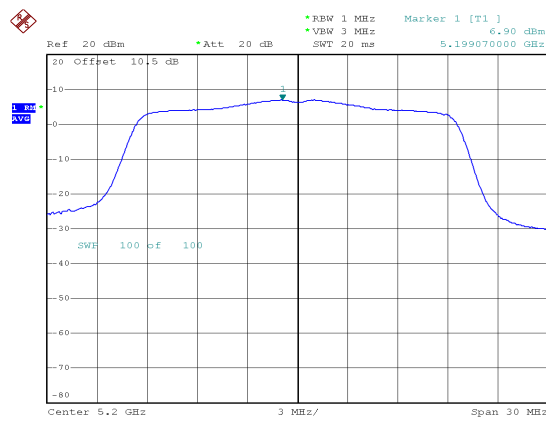
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Modulation Type: 802.11a CH40



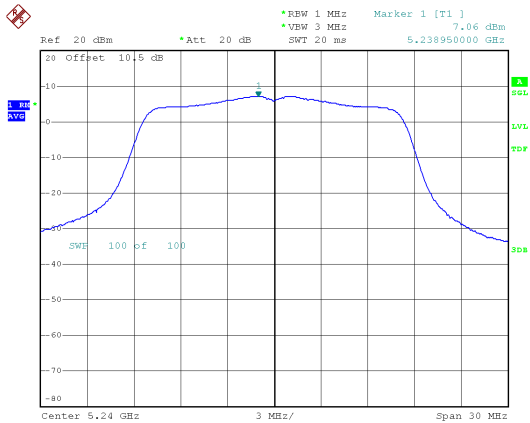
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Modulation Type: 802.11ax HE20 CH40



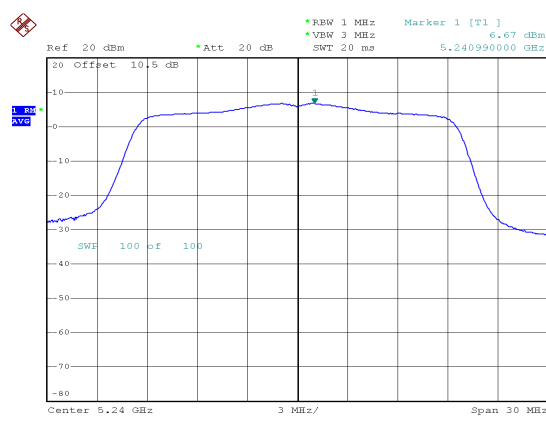
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Modulation Type: 802.11a CH48



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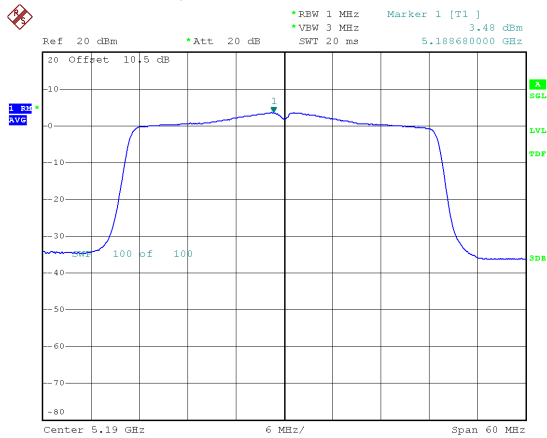
Modulation Type: 802.11ax HE20 CH48



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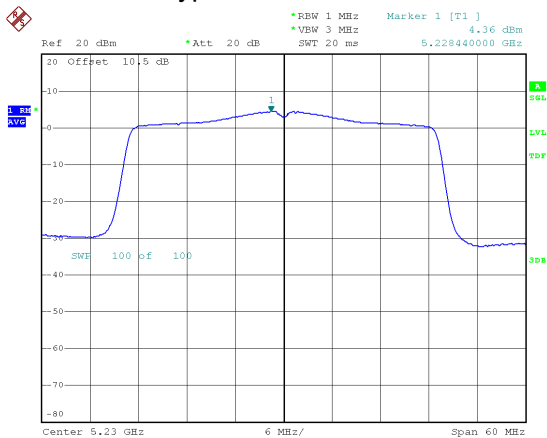


Modulation Type: 802.11ax HE40 CH38



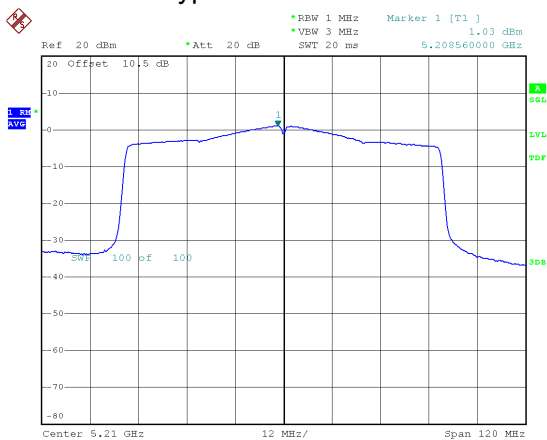
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Modulation Type: 802.11ax HE40 CH46



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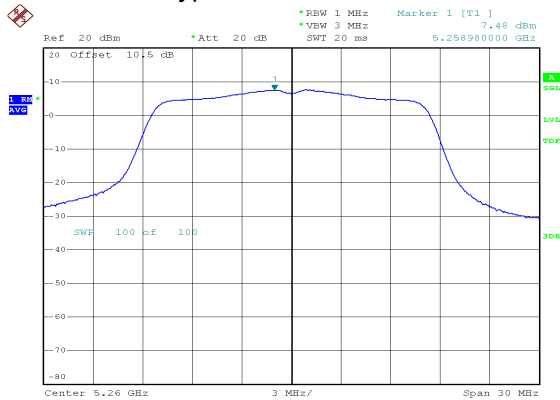
Modulation Type: 802.11ax HE80 CH42



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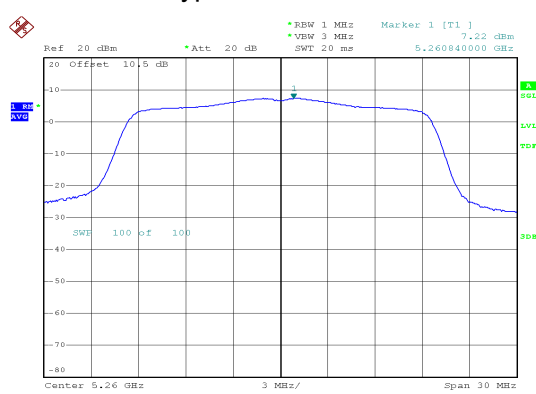


Modulation Type: 802.11a CH52



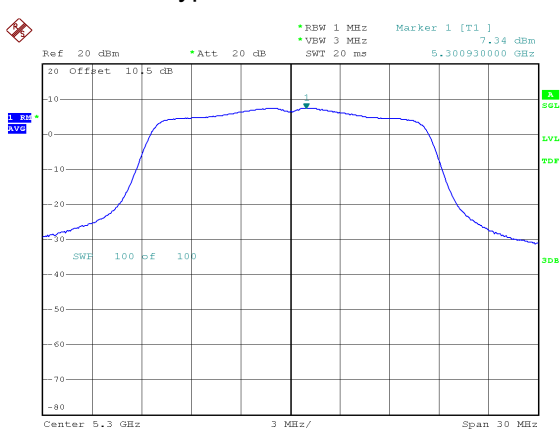
Date: 18.MAY.2026 10:38:39

Modulation Type: 802.11ax HE20 CH52



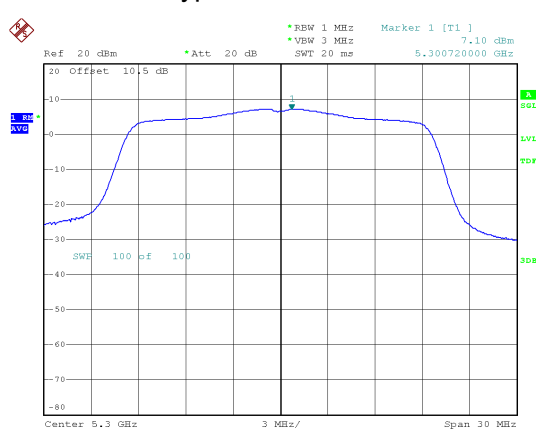
Date: 18.MAY.2026 13:17:46

Modulation Type: 802.11a CH60



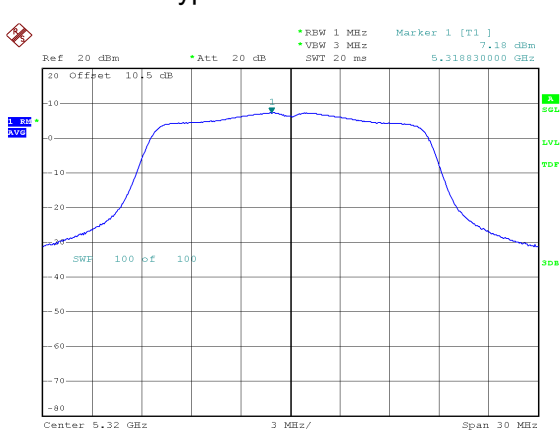
Date: 18.MAY.2026 10:40:34

Modulation Type: 802.11ax HE20 CH60



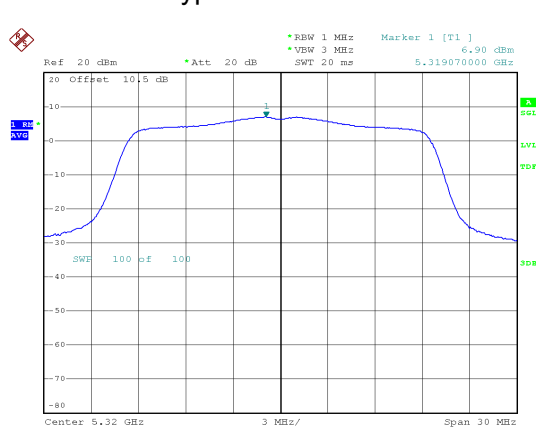
Date: 18.MAY.2026 13:19:33

Modulation Type: 802.11a CH64



Date: 18.MAY.2026 10:42:42

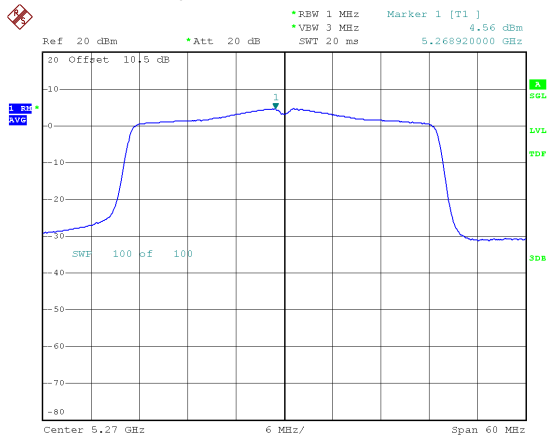
Modulation Type: 802.11ax HE20 CH64



Date: 18.MAY.2026 13:23:18

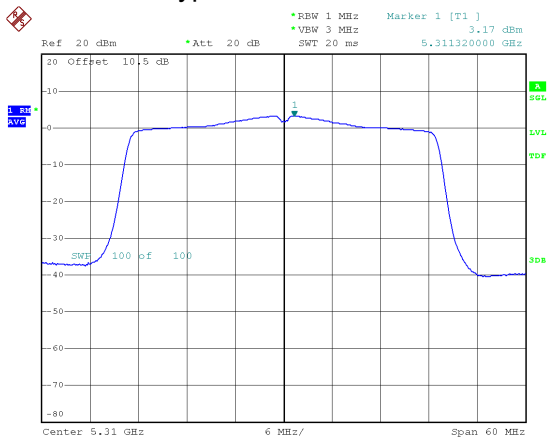


Modulation Type: 802.11ax HE40 CH54



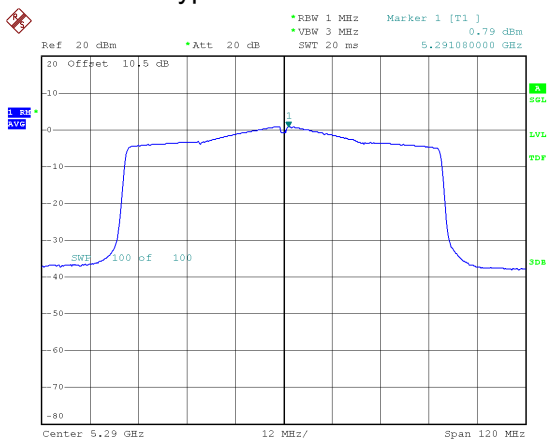
Date: 18.MAY.2026 13:50:16

Modulation Type: 802.11ax HE40 CH62



Date: 18.MAY.2026 13:52:30

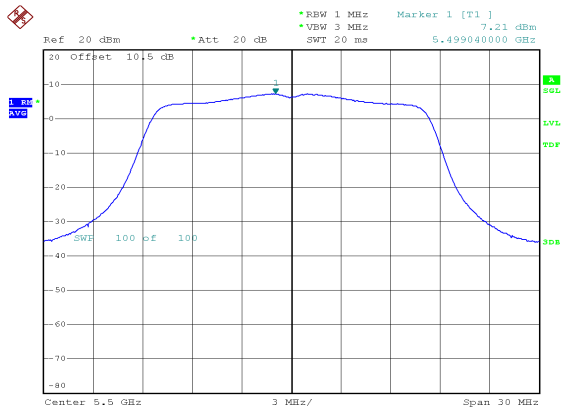
Modulation Type: 802.11ax HE80 CH58



Date: 18.MAY.2026 14:32:38

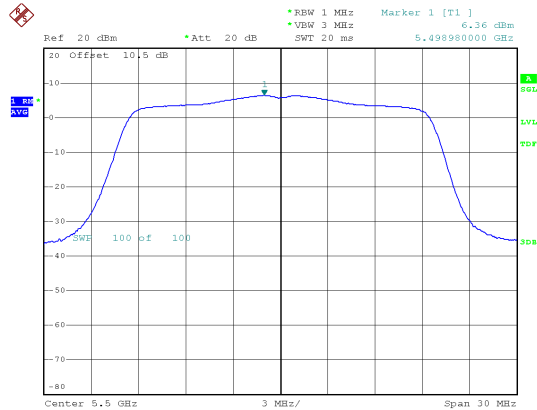


Modulation Type: 802.11a CH100



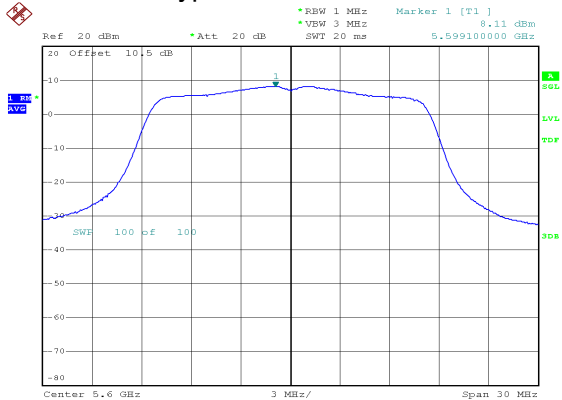
Date: 18.MAY.2026 10:45:03

Modulation Type: 802.11ax HE20 CH100



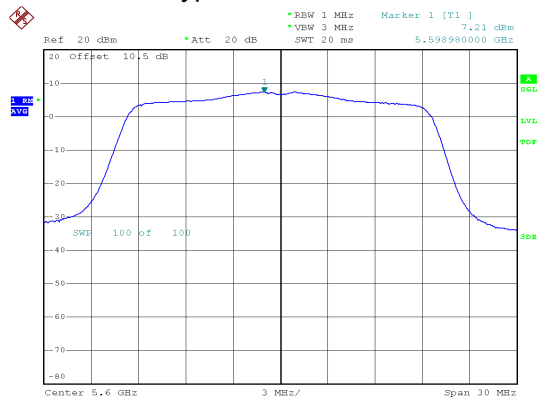
Date: 18.MAY.2026 13:25:46

Modulation Type: 802.11a CH120



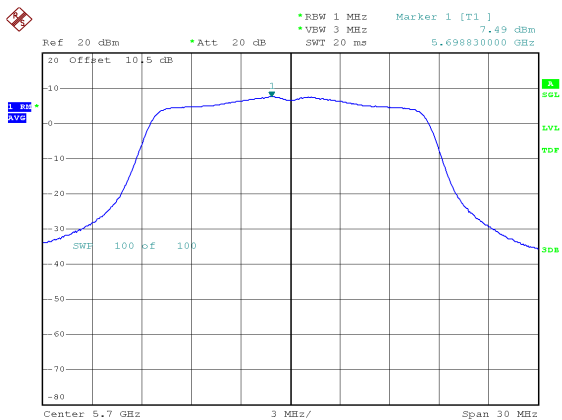
Date: 18.MAY.2026 10:46:48

Modulation Type: 802.11ax HE20 CH120



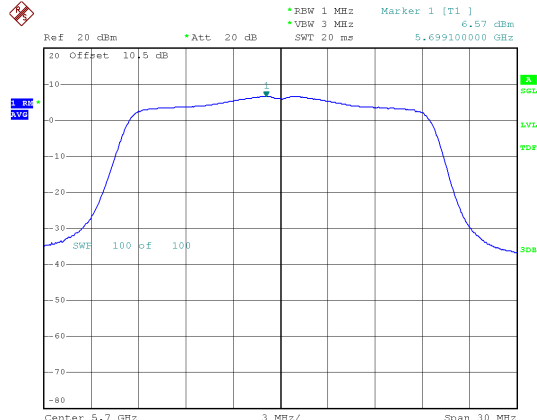
Date: 18.MAY.2026 13:27:29

Modulation Type: 802.11a CH140



Date: 18.MAY.2026 10:51:20

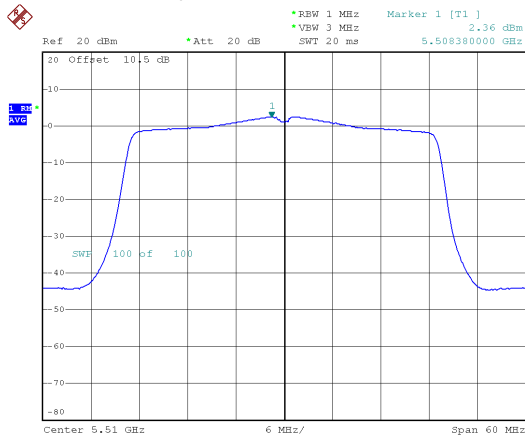
Modulation Type: 802.11ax HE20 CH140



Date: 18.MAY.2026 13:29:16

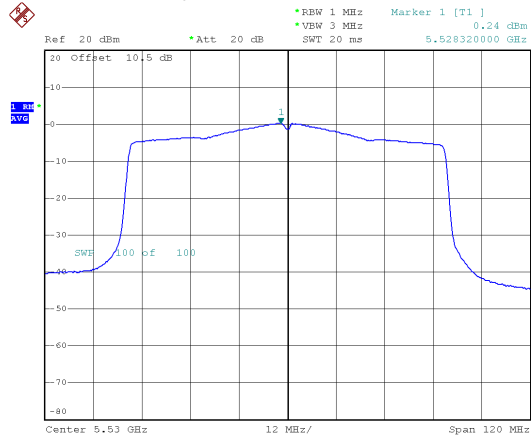


Modulation Type: 802.11ax HE40 CH102



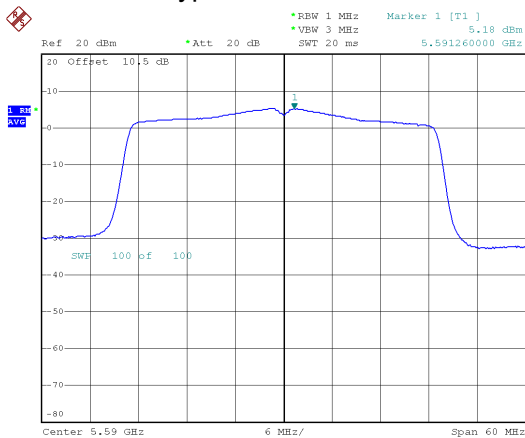
Date: 18.MAY.2026 13:54:36

Modulation Type: 802.11ax HE80 CH106



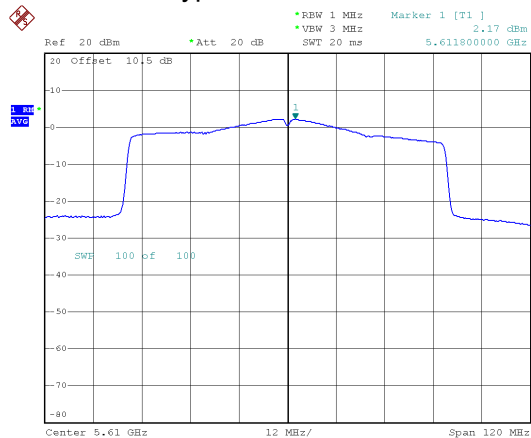
Date: 18.MAY.2026 14:35:39

Modulation Type: 802.11ax HE40 CH118



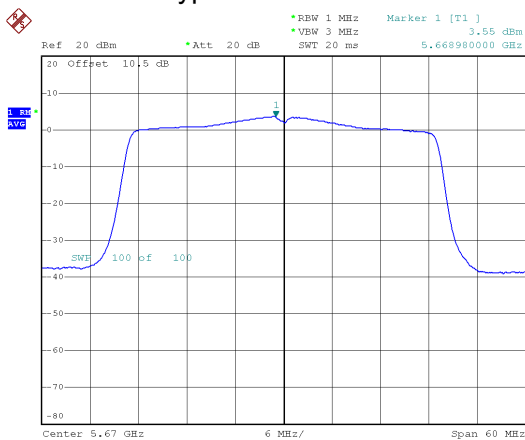
Date: 18.MAY.2026 13:58:50

Modulation Type: 802.11ax HE80 CH122



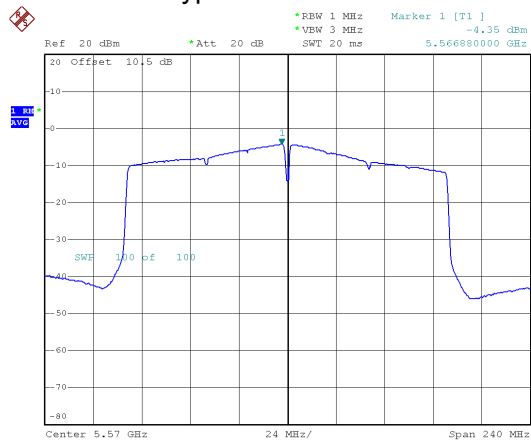
Date: 18.MAY.2026 14:37:44

Modulation Type: 802.11ax HE40 CH134



Date: 18.MAY.2026 14:00:41

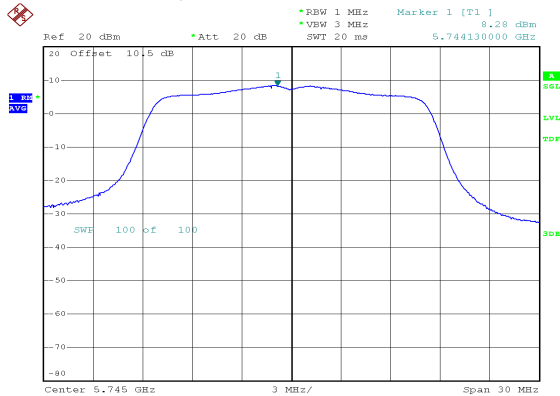
Modulation Type: 802.11ax HE160 CH114



Date: 18.MAY.2026 16:11:19

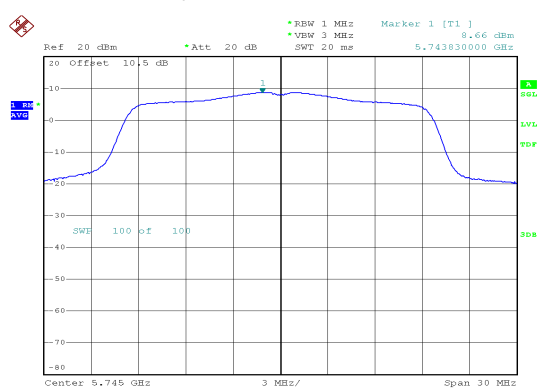


Modulation Type: 802.11a CH149



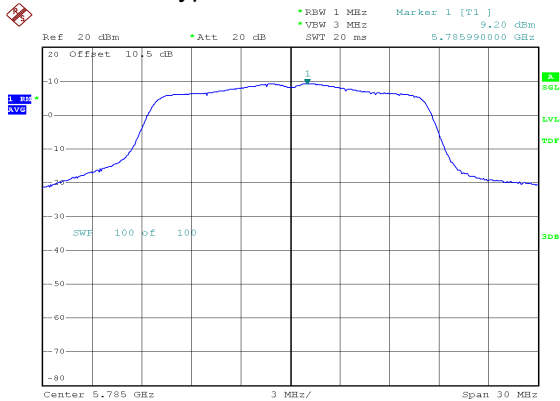
Date: 18.MAY.2026 11:33:12

Modulation Type: 802.11ax HE20 CH149



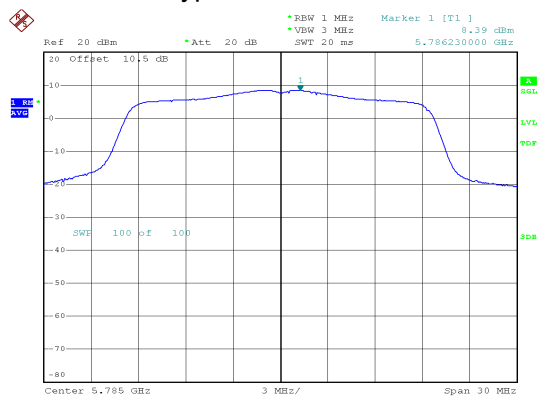
Date: 18.MAY.2026 13:36:46

Modulation Type: 802.11a CH157



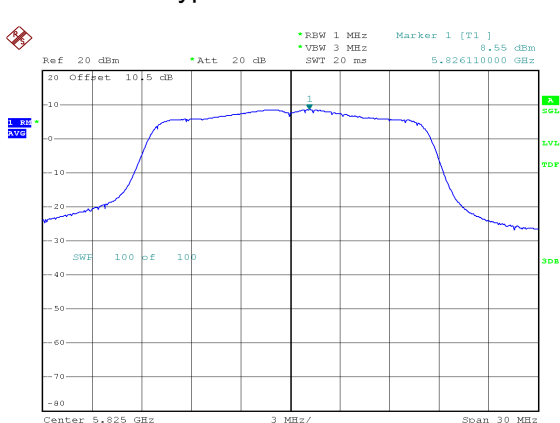
Date: 18.MAY.2026 11:35:51

Modulation Type: 802.11ax HE20 CH157



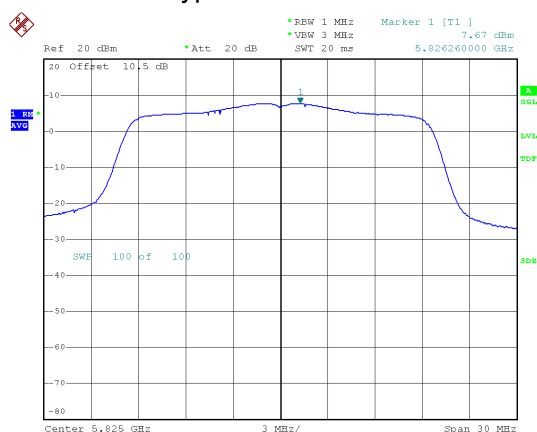
Date: 18.MAY.2026 13:38:48

Modulation Type: 802.11a CH165



Date: 18.MAY.2026 11:37:47

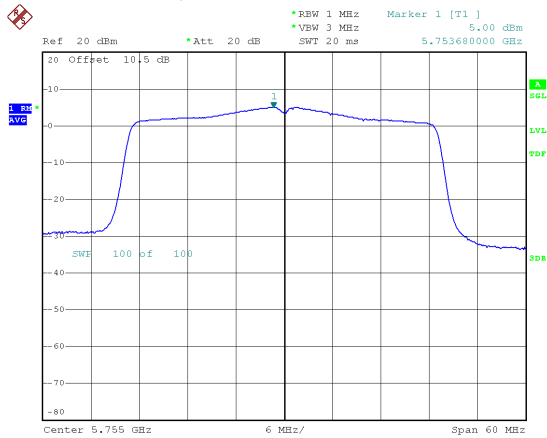
Modulation Type: 802.11ax HE20 CH165



Date: 18.MAY.2026 13:40:34

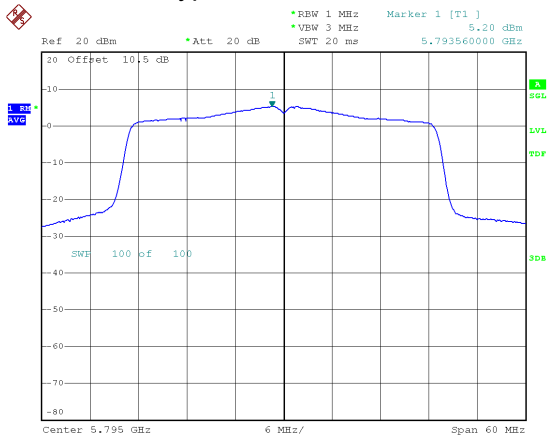


Modulation Type: 802.11ax HE40 CH151



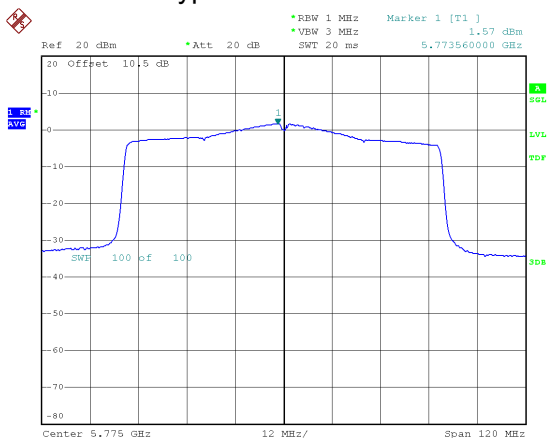
Date: 18.MAY.2026 14:22:07

Modulation Type: 802.11ax HE40 CH159



Date: 18.MAY.2026 14:24:52

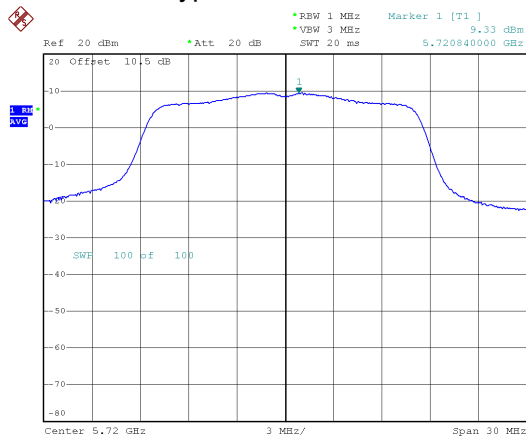
Modulation Type: 802.11ax HE80 CH155



Date: 18.MAY.2026 14:48:20

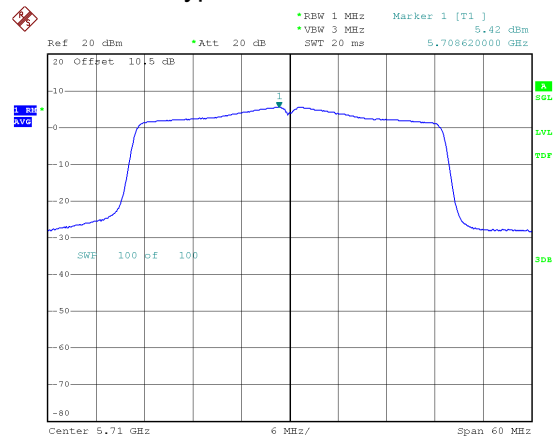


Straddle Channel
Modulation Type: 802.11a CH144



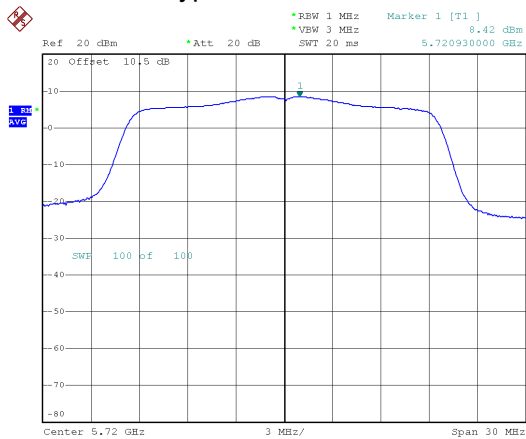
Date: 18.MAY.2026 11:13:20

Modulation Type: 802.11ax HE40 CH142



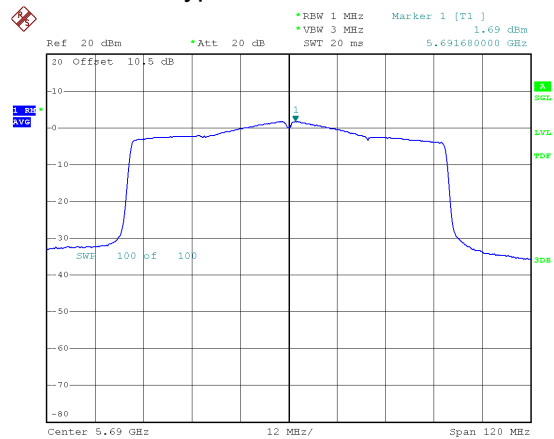
Date: 18.MAY.2026 14:04:35

Modulation Type: 802.11ax HE20 CH144



Date: 18.MAY.2026 13:32:43

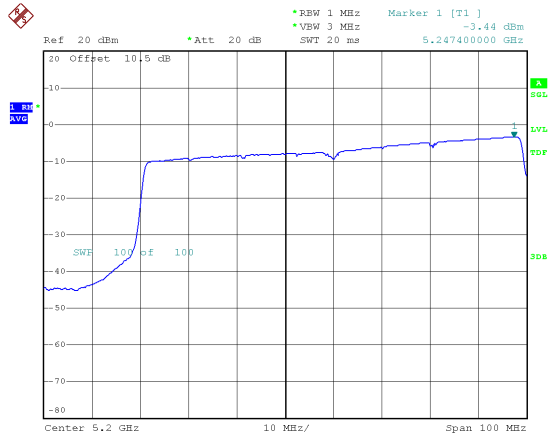
Modulation Type: 802.11ax HE80 CH138



Date: 18.MAY.2026 14:45:36

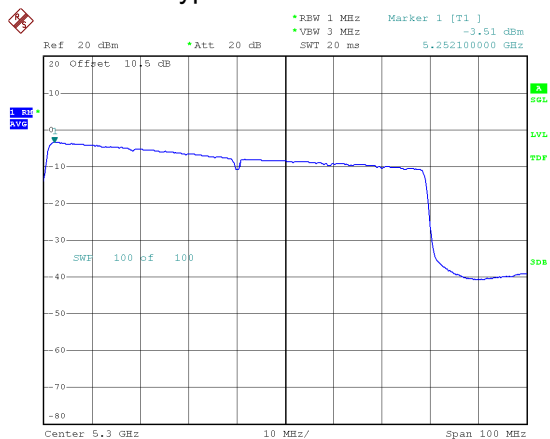


Straddle Channel, Within 5150-5250MHz Band
Modulation Type: 802.11ax HE160 CH50



Date: 18.MAY.2026 16:06:21

Straddle Channel, Within 5250-5350MHz Band
Modulation Type: 802.11ax HE160 CH50



Date: 18.MAY.2026 16:06:40

-----THE END OF REPORT-----