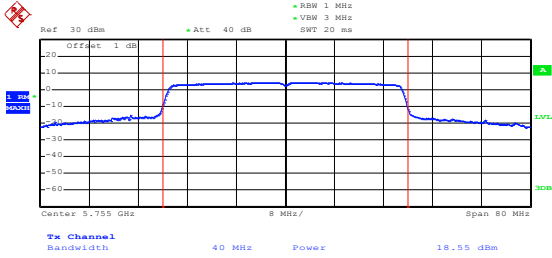
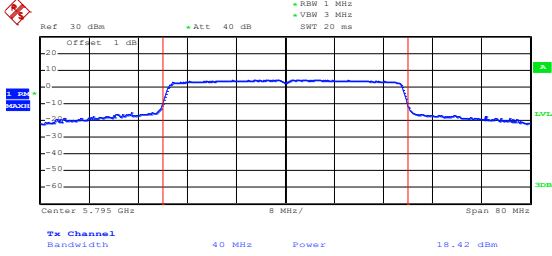
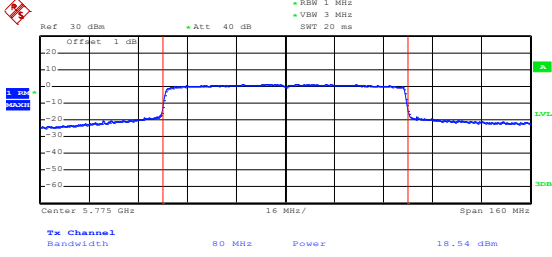
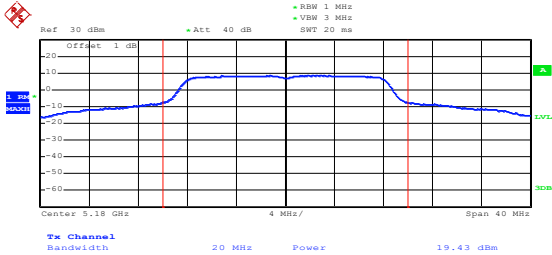
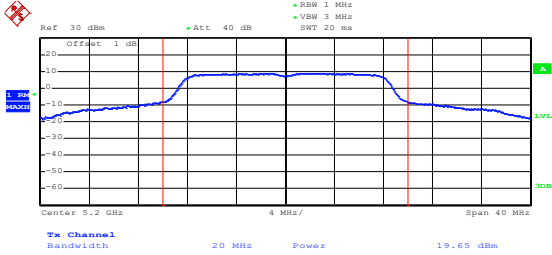
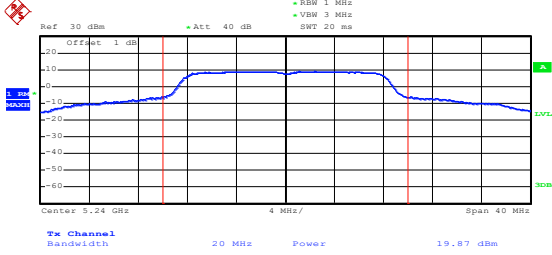
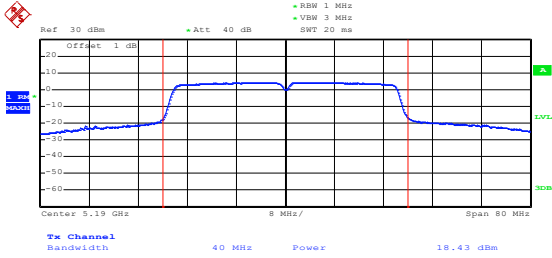
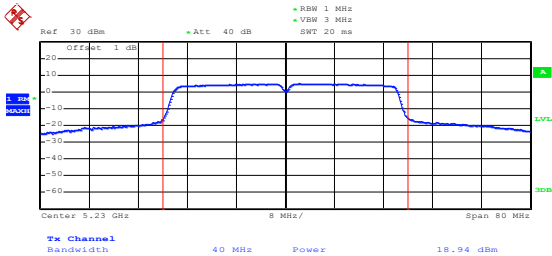
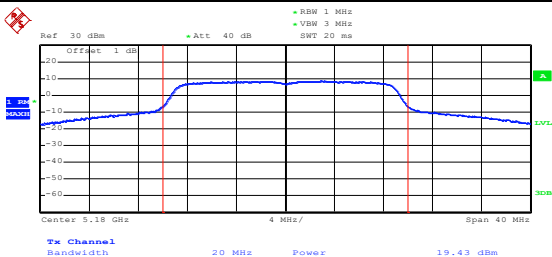


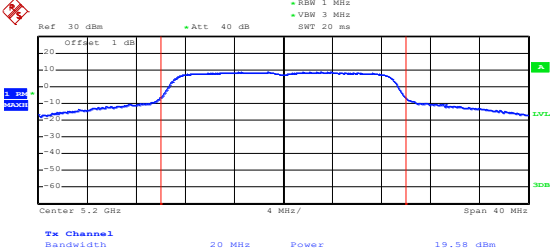
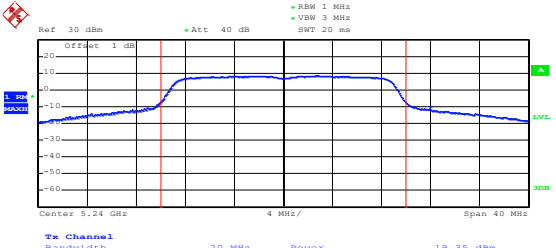
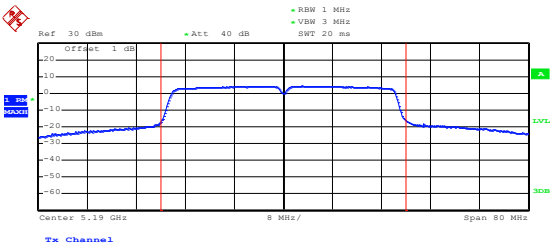
802.11ax-HE40-Low	 Date: 26.MAR.2024 19:21:59
802.11ax-HE40-High	 Date: 26.MAR.2024 19:22:14
802.11ax-HE80	 Date: 26.MAR.2024 19:23:04

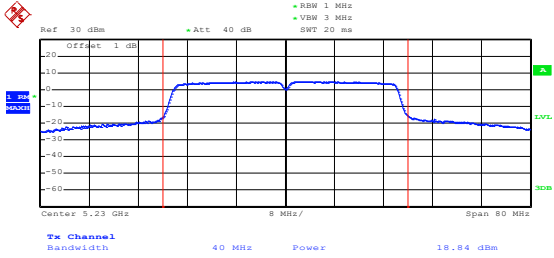
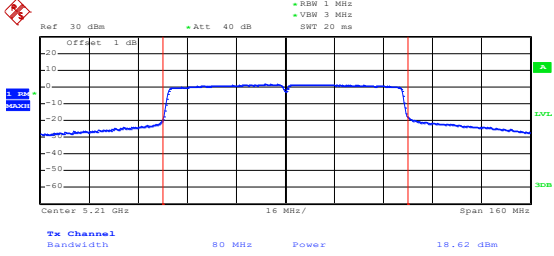
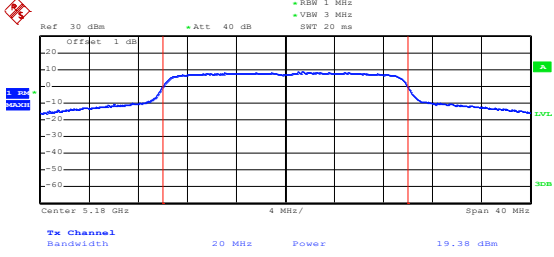
ANT 1
5150-5250MHz

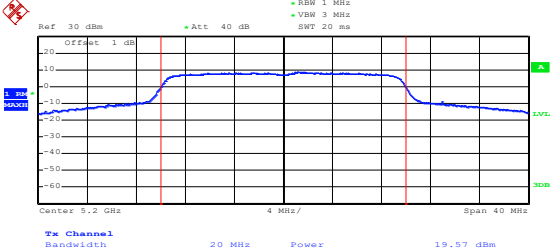
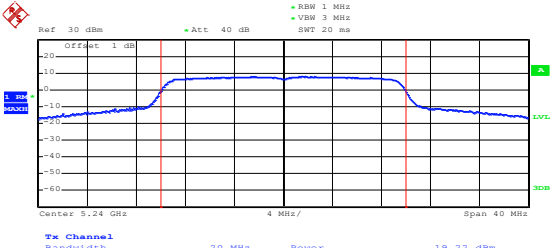
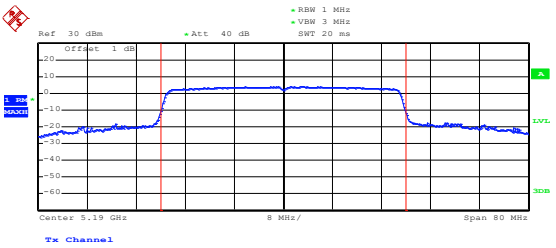
802.11a-Low	 Date: 23.MAR.2024 15:06:33
802.11a-Middle	 Date: 23.MAR.2024 15:09:30
802.11a-High	 Date: 23.MAR.2024 15:09:59

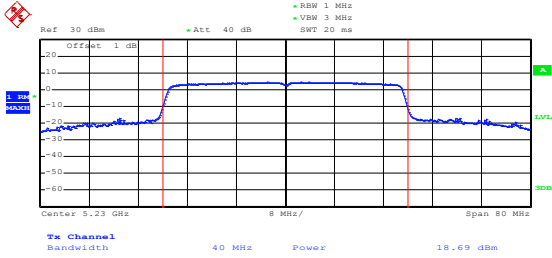
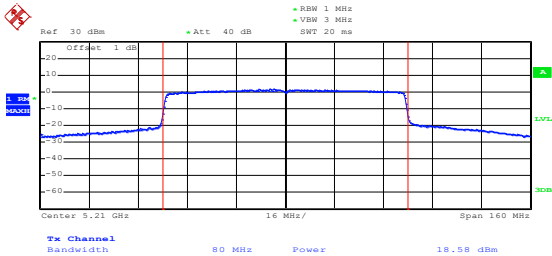
802.11n-HT20-Low	Date: 23.MAR.2024 15:15:09
802.11n-HT20-Middle	Date: 23.MAR.2024 15:13:26
802.11n-HT20-High	Date: 23.MAR.2024 15:10:43

802.11n-HT40-Low	 Date: 23.MAR.2024 15:22:06
802.11n-HT40-High	 Date: 23.MAR.2024 15:22:52
802.11ac-VHT20-Low	 Date: 23.MAR.2024 15:15:39

802.11ac-VHT20-Middle	 Ref: 30 dBm Offset: 1 dB Att: 40 dB RBW: 1 MHz VBW: 3 MHz SWT: 20 ms Center: 5.2 GHz Span: 40 MHz 4 MHz/ Ts Channel Bandwidth 20 MHz Power 19.58 dBm Date: 23.MAR.2024 15:16:05
802.11ac-VHT20-High	 Ref: 30 dBm Offset: 1 dB Att: 40 dB RBW: 1 MHz VBW: 3 MHz SWT: 20 ms Center: 5.24 GHz Span: 40 MHz 4 MHz/ Ts Channel Bandwidth 20 MHz Power 19.35 dBm Date: 23.MAR.2024 15:17:50
802.11ac-VHT40-Low	 Ref: 30 dBm Offset: 1 dB Att: 40 dB RBW: 1 MHz VBW: 3 MHz SWT: 20 ms Center: 5.19 GHz Span: 80 MHz 8 MHz/ Ts Channel Bandwidth 40 MHz Power 18.43 dBm Date: 23.MAR.2024 15:23:54

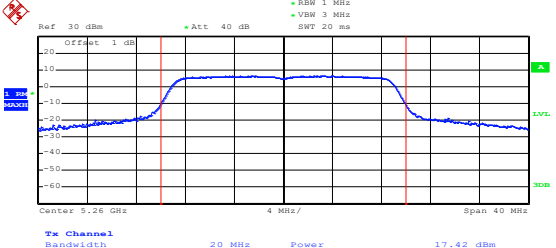
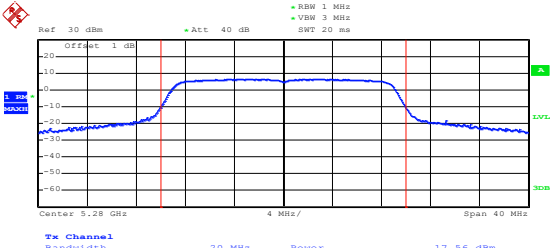
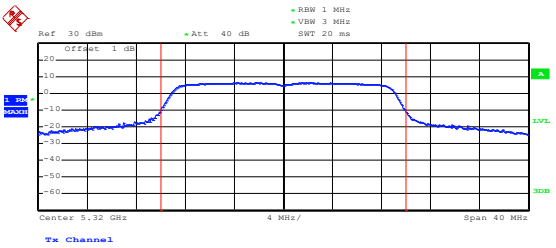
802.11ac-VHT40-High	 Ref 30 dBm Offset 1 dB Att 40 dB RBW 1 MHz VBW 3 MHz SWT 20 ms Center 5.23 GHz Span 80 MHz Tx Channel Bandwidth 40 MHz Power 18.84 dBm Date: 23.MAR.2024 15:23:15
802.11ac-VHT80	 Ref 30 dBm Offset 1 dB Att 40 dB RBW 1 MHz VBW 3 MHz SWT 20 ms Center 5.21 GHz Span 160 MHz Tx Channel Bandwidth 80 MHz Power 18.62 dBm Date: 23.MAR.2024 15:27:10
802.11ax-HE20-Low	 Ref 30 dBm Offset 1 dB Att 40 dB RBW 1 MHz VBW 3 MHz SWT 20 ms Center 5.18 GHz Span 40 MHz Tx Channel Bandwidth 20 MHz Power 19.38 dBm Date: 23.MAR.2024 15:19:43

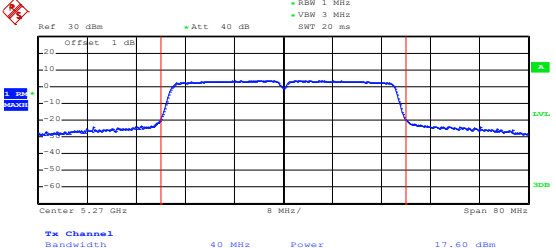
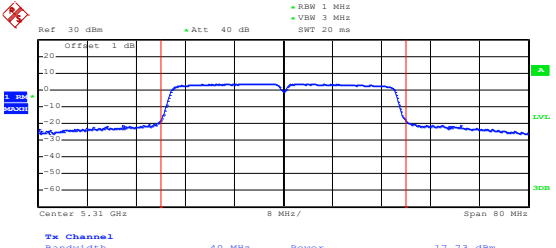
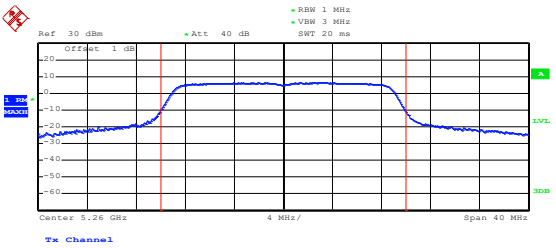
802.11ax-HE20-Middle	 Ref: 30 dBm Offset: 1 dB Att: 40 dB RBW: 1 MHz VBW: 3 MHz SWT: 20 ms Center: 5.2 GHz Span: 40 MHz 4 MHz/ Tx Channel Bandwidth: 20 MHz Power: 19.57 dBm Date: 23.MAR.2024 15:19:17
802.11ax-HE20-High	 Ref: 30 dBm Offset: 1 dB Att: 40 dB RBW: 1 MHz VBW: 3 MHz SWT: 20 ms Center: 5.24 GHz Span: 40 MHz 4 MHz/ Tx Channel Bandwidth: 20 MHz Power: 19.22 dBm Date: 23.MAR.2024 15:18:12
802.11ax-HE40-Low	 Ref: 30 dBm Offset: 1 dB Att: 40 dB RBW: 1 MHz VBW: 3 MHz SWT: 20 ms Center: 5.19 GHz Span: 80 MHz 8 MHz/ Tx Channel Bandwidth: 40 MHz Power: 18.24 dBm Date: 23.MAR.2024 15:25:47

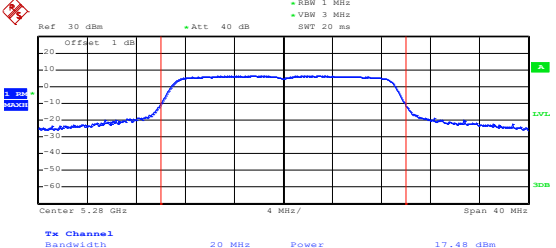
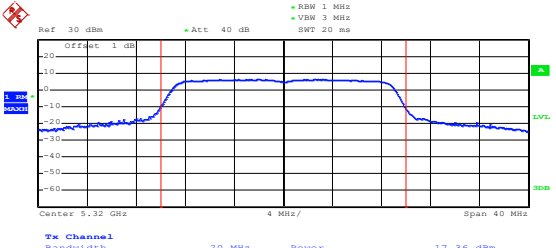
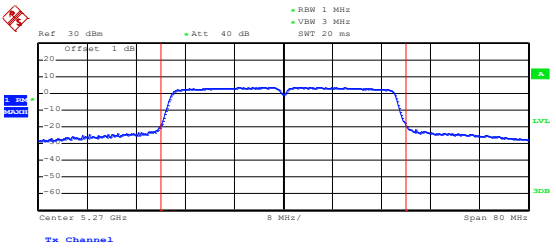
802.11ax-HE40-High	 Date: 23.MAR.2024 15:26:10
802.11ax-HE80	 Date: 23.MAR.2024 15:27:35

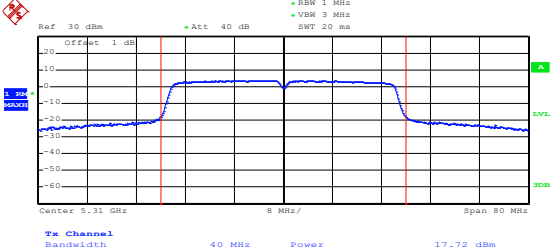
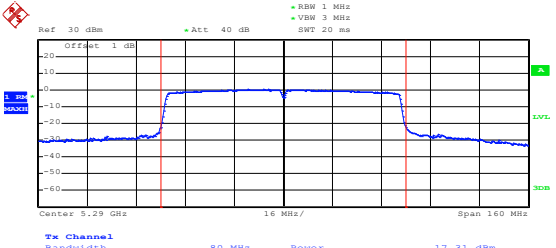
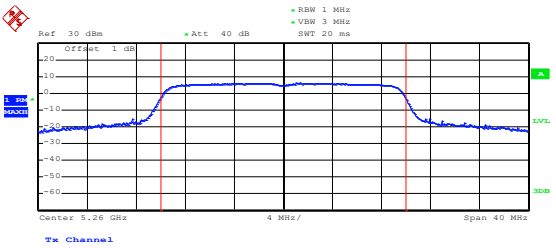
5250-5350MHz

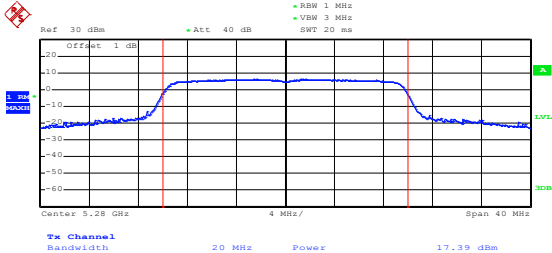
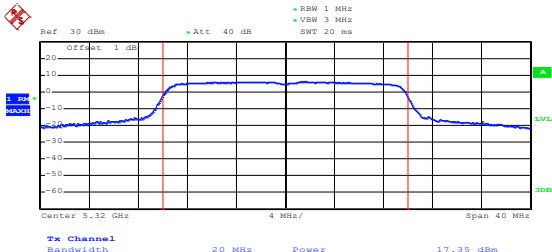
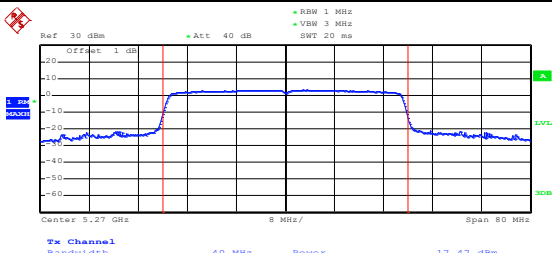
802.11a-Low	Ref: 30 dBm, Offset: 1 dB, Att: 40 dB, RBW: 1 MHz, VBW: 3 MHz, SWT: 20 ms Center 5.26 GHz, Span 40 MHz, 4 MHz/div Tx Channel Bandwidth 20 MHz, Power 18.52 dBm Date: 11.APR.2024 19:45:32
802.11a-Middle	Ref: 30 dBm, Offset: 1 dB, Att: 40 dB, RBW: 1 MHz, VBW: 3 MHz, SWT: 20 ms Center 5.28 GHz, Span 40 MHz, 4 MHz/div Tx Channel Bandwidth 20 MHz, Power 18.70 dBm Date: 11.APR.2024 19:44:20
802.11a-High	Ref: 30 dBm, Offset: 1 dB, Att: 40 dB, RBW: 1 MHz, VBW: 3 MHz, SWT: 20 ms Center 5.32 GHz, Span 40 MHz, 4 MHz/div Tx Channel Bandwidth 20 MHz, Power 18.53 dBm Date: 11.APR.2024 19:44:56

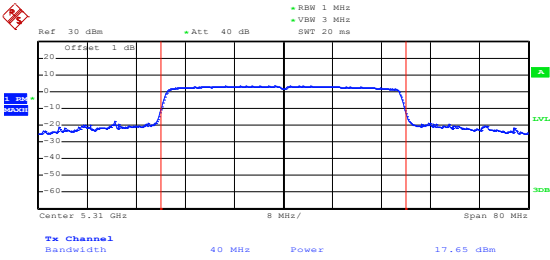
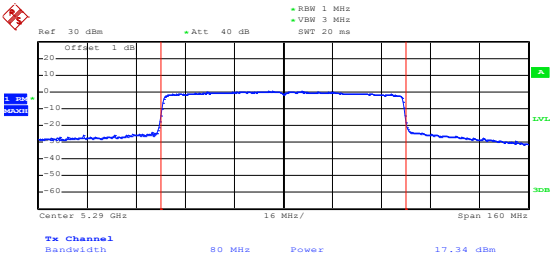
802.11n-HT20-Low	 Date: 23.MAR.2024 17:40:31
802.11n-HT20-Middle	 Date: 23.MAR.2024 17:40:12
802.11n-HT20-High	 Date: 23.MAR.2024 17:39:42

802.11n-HT40-Low	 Ref: 30 dBm Offset: 1 dB Att: 40 dB RBW: 1 MHz VBW: 3 MHz SWT: 20 ms Center: 5.27 GHz Span: 80 MHz 8 MHz/ Tx Channel Bandwidth: 40 MHz Power: 17.60 dBm Date: 23.MAR.2024 17:45:51
802.11n-HT40-High	 Ref: 30 dBm Offset: 1 dB Att: 40 dB RBW: 1 MHz VBW: 3 MHz SWT: 20 ms Center: 5.31 GHz Span: 80 MHz 8 MHz/ Tx Channel Bandwidth: 40 MHz Power: 17.73 dBm Date: 23.MAR.2024 17:44:12
802.11ac-VHT20-Low	 Ref: 30 dBm Offset: 1 dB Att: 40 dB RBW: 1 MHz VBW: 3 MHz SWT: 20 ms Center: 5.26 GHz Span: 40 MHz 4 MHz/ Tx Channel Bandwidth: 20 MHz Power: 17.46 dBm Date: 23.MAR.2024 17:40:52

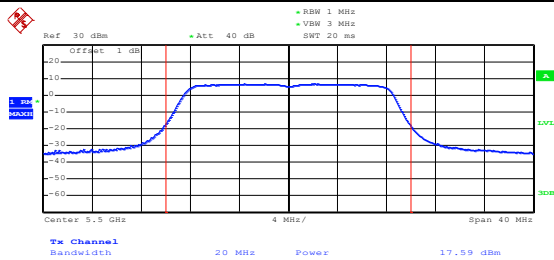
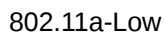
802.11ac-VHT20-Middle	 Ref: 30 dBm Offset: 1 dB Att: 40 dB RBW: 1 MHz VBW: 3 MHz SWT: 20 ms Center: 5.28 GHz Span: 40 MHz Power: 17.48 dBm Ts Channel Bandwidth Date: 23.MAR.2024 17:41:16
802.11ac-VHT20-High	 Ref: 30 dBm Offset: 1 dB Att: 40 dB RBW: 1 MHz VBW: 3 MHz SWT: 20 ms Center: 5.32 GHz Span: 40 MHz Power: 17.36 dBm Ts Channel Bandwidth Date: 23.MAR.2024 17:41:37
802.11ac-VHT40-Low	 Ref: 30 dBm Offset: 1 dB Att: 40 dB RBW: 1 MHz VBW: 3 MHz SWT: 20 ms Center: 5.27 GHz Span: 80 MHz Power: 17.62 dBm Ts Channel Bandwidth Date: 23.MAR.2024 17:44:58

802.11ac-VHT40-High	 Date: 23.MAR.2024 17:44:28
802.11ac-VHT80	 Date: 23.MAR.2024 17:47:41
802.11ax-HE20-Low	 Date: 23.MAR.2024 17:42:34

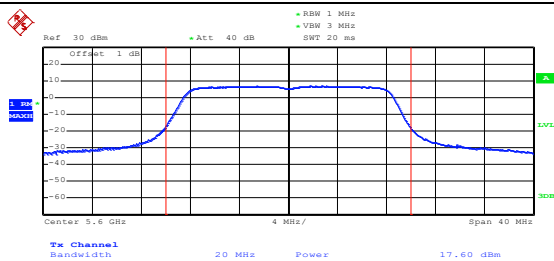
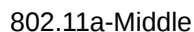
802.11ax-HE20-Middle	 Date: 23.MAR.2024 17:42:15
802.11ax-HE20-High	 Date: 23.MAR.2024 17:41:55
802.11ax-HE40-Low	 Date: 23.MAR.2024 17:46:27

802.11ax-HE40-High	 Ref 30 dBm Offset 1 dB Att 40 dB RBW 1 MHz VBW 3 MHz SWT 20 ms Center 5.31 GHz Span 80 MHz Tx Channel Bandwidth 40 MHz Power 17.65 dBm Date: 23.MAR.2024 17:47:00
802.11ax-HE80	 Ref 30 dBm Offset 1 dB Att 40 dB RBW 1 MHz VBW 3 MHz SWT 20 ms Center 5.29 GHz Span 160 MHz Tx Channel Bandwidth 80 MHz Power 17.34 dBm Date: 23.MAR.2024 17:47:59

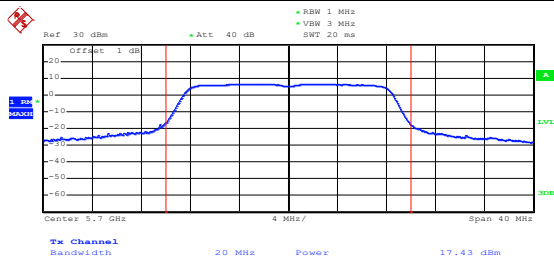
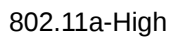
5470-5725MHz



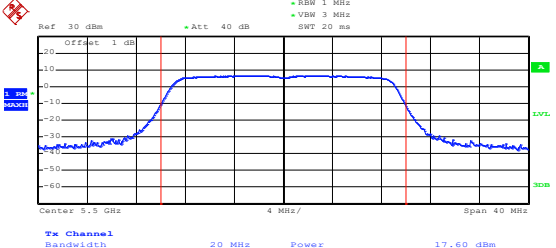
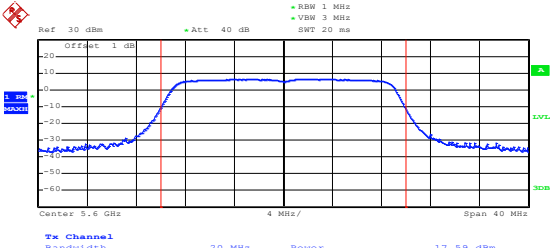
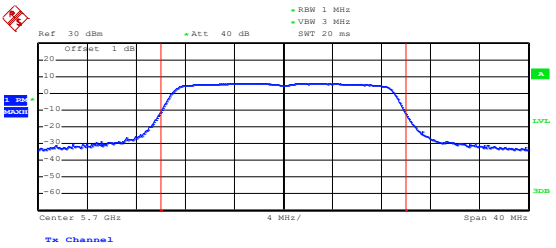
Date: 25.MAR.2024 17:43:32

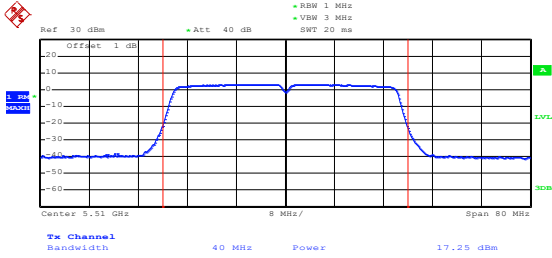
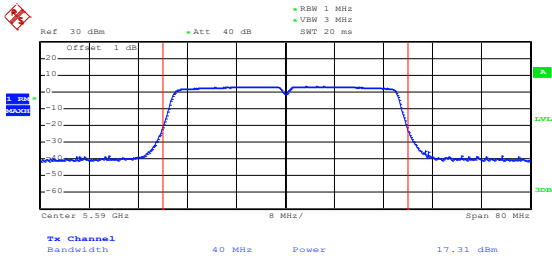
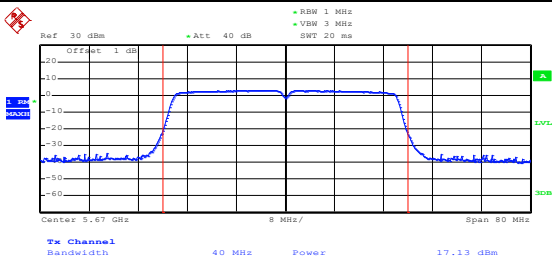


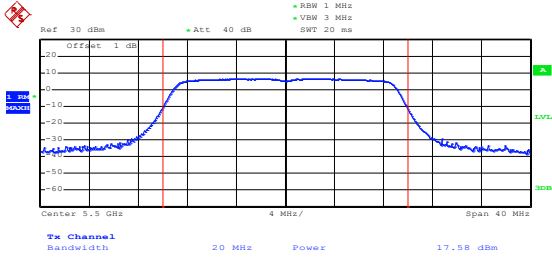
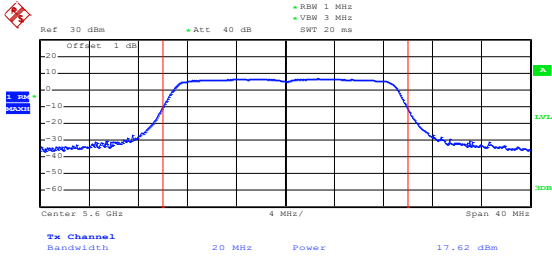
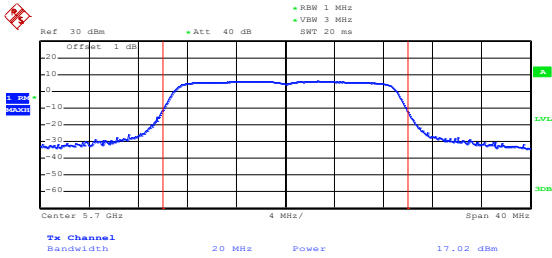
Date: 25.MAR.2024 17:44:06

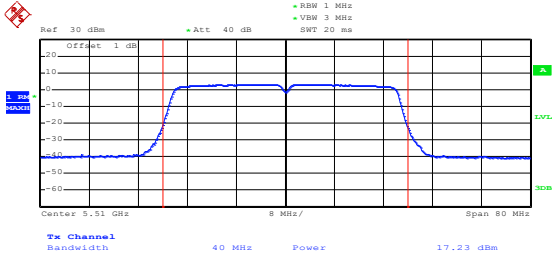
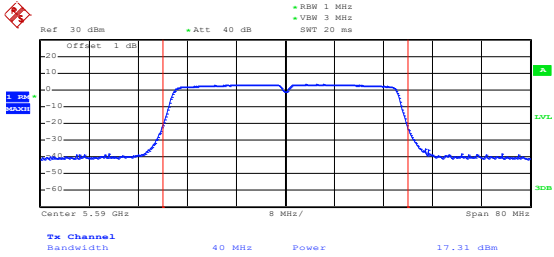
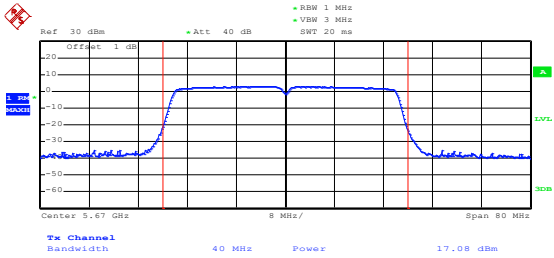


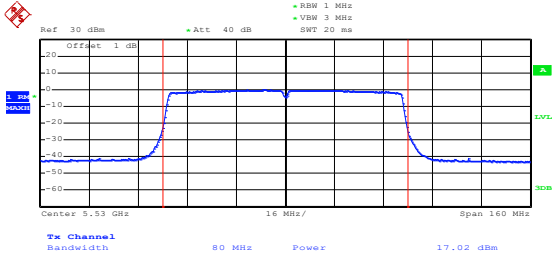
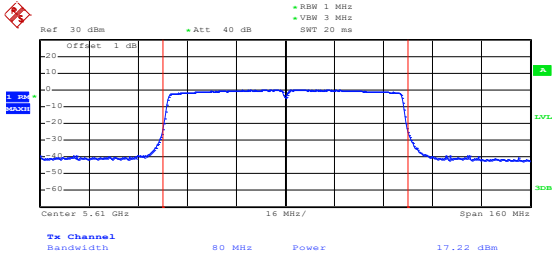
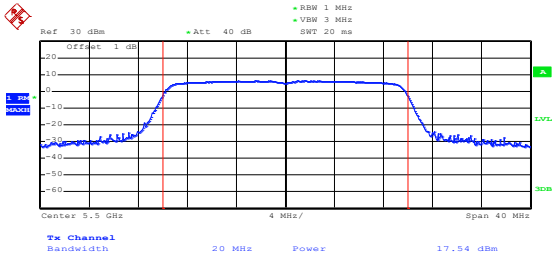
Date: 25.MAR.2024 17:45:00

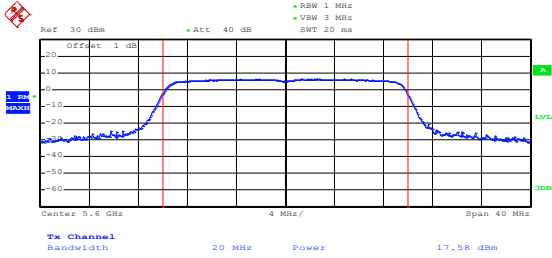
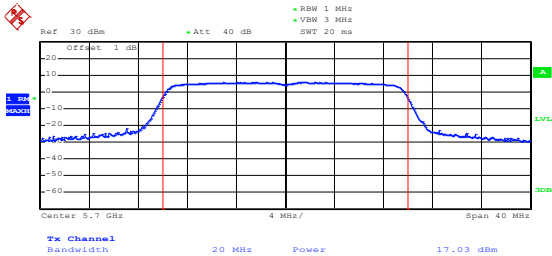
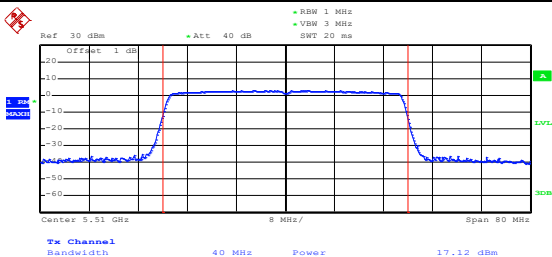
802.11n-HT20-Low	 Date: 25.MAR.2024 17:46:26
802.11n-HT20-Middle	 Date: 25.MAR.2024 17:46:02
802.11n-HT20-High	 Date: 25.MAR.2024 17:50:09

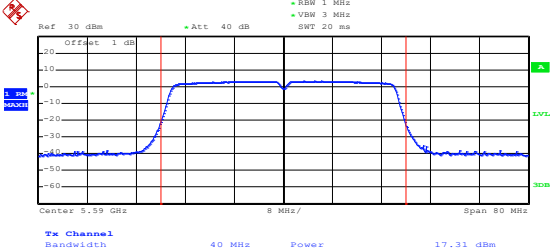
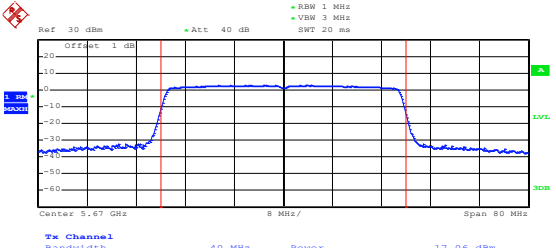
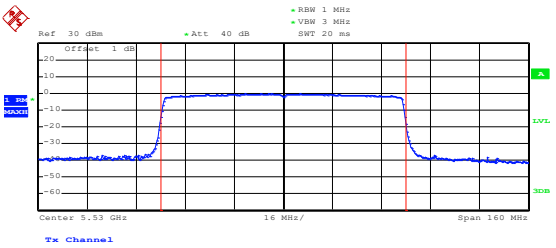
802.11n-HT40-Low	 Ref: 30 dBm Offset: 1 dB Att: 40 dB RBW: 1 MHz VBW: 3 MHz SWT: 20 ms Center: 5.51 GHz Span: 80 MHz 8 MHz/ Tx Channel Bandwidth: 40 MHz Power: 17.25 dBm Date: 25.MAR.2024 17:52:38
802.11n-HT40-Middle	 Ref: 30 dBm Offset: 1 dB Att: 40 dB RBW: 1 MHz VBW: 3 MHz SWT: 20 ms Center: 5.59 GHz Span: 80 MHz 8 MHz/ Tx Channel Bandwidth: 40 MHz Power: 17.31 dBm Date: 25.MAR.2024 17:53:09
802.11n-HT40-High	 Ref: 30 dBm Offset: 1 dB Att: 40 dB RBW: 1 MHz VBW: 3 MHz SWT: 20 ms Center: 5.67 GHz Span: 80 MHz 8 MHz/ Tx Channel Bandwidth: 40 MHz Power: 17.13 dBm Date: 25.MAR.2024 17:53:34

802.11ac-VHT20-Low	 Date: 25.MAR.2024 17:46:45
802.11ac-VHT20-Middle	 Date: 25.MAR.2024 17:47:08
802.11ac-VHT20-High	 Date: 25.MAR.2024 17:47:49

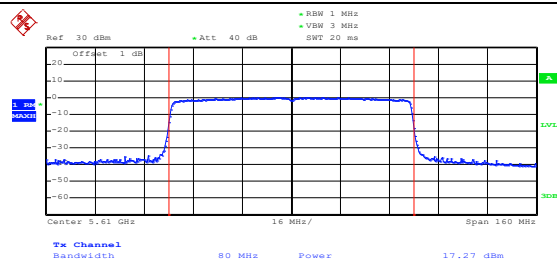
802.11ac-VHT40-Low	 Ref: 30 dBm Offset: 1 dB Att: 40 dB RBW: 1 MHz VBW: 3 MHz SWT: 20 ms Center: 5.51 GHz Span: 80 MHz Tx Channel Bandwidth: 40 MHz Power: 17.23 dBm Date: 25.MAR.2024 17:54:41
802.11ac-VHT40-Middle	 Ref: 30 dBm Offset: 1 dB Att: 40 dB RBW: 1 MHz VBW: 3 MHz SWT: 20 ms Center: 5.59 GHz Span: 80 MHz Tx Channel Bandwidth: 40 MHz Power: 17.31 dBm Date: 25.MAR.2024 17:53:09
802.11ac-VHT40-High	 Ref: 30 dBm Offset: 1 dB Att: 40 dB RBW: 1 MHz VBW: 3 MHz SWT: 20 ms Center: 5.67 GHz Span: 80 MHz Tx Channel Bandwidth: 40 MHz Power: 17.08 dBm Date: 25.MAR.2024 17:53:55

802.11ac-VHT80-Low	 Date: 25.MAR.2024 18:03:24
802.11ac-VHT80-High	 Date: 25.MAR.2024 18:03:53
802.11ax-HE20-Low	 Date: 25.MAR.2024 17:49:05

802.11ax-HE20-Middle	 Ref: 30 dBm Offset: 1 dB Att: 40 dB RBW: 1 MHz VBW: 3 MHz SWT: 20 ms Center: 5.6 GHz Span: 40 MHz Power: 17.58 dBm Ts Channel Bandwidth: 20 MHz Date: 25.MAR.2024 17:48:45
802.11ax-HE20-High	 Ref: 30 dBm Offset: 1 dB Att: 40 dB RBW: 1 MHz VBW: 3 MHz SWT: 20 ms Center: 5.7 GHz Span: 40 MHz Power: 17.03 dBm Ts Channel Bandwidth: 20 MHz Date: 25.MAR.2024 17:48:22
802.11ax-HE40-Low	 Ref: 30 dBm Offset: 1 dB Att: 40 dB RBW: 1 MHz VBW: 3 MHz SWT: 20 ms Center: 5.51 GHz Span: 80 MHz Power: 17.12 dBm Ts Channel Bandwidth: 40 MHz Date: 25.MAR.2024 17:55:06

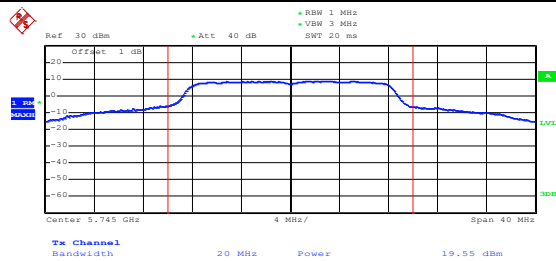
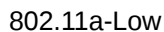
802.11ax-HE40-Middle	 Date: 25.MAR.2024 17:53:09
802.11ax-HE40-High	 Date: 25.MAR.2024 17:56:11
802.11ax-HE80-Low	 Date: 25.MAR.2024 18:02:05

802.11ax-HE80-High

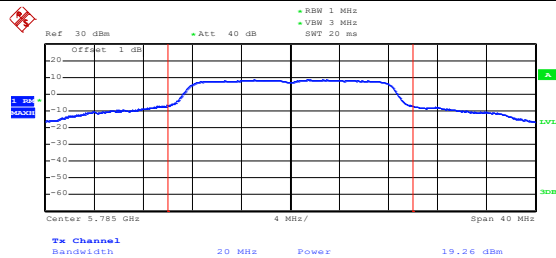
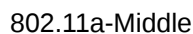


Date: 25.MAR.2024 18:00:59

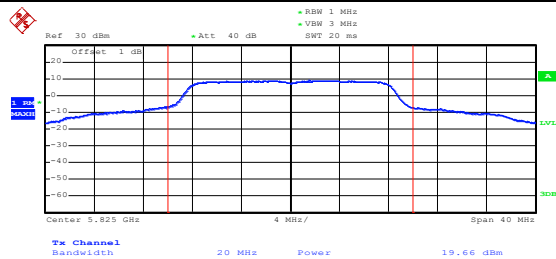
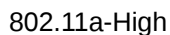
5725-5850MHz



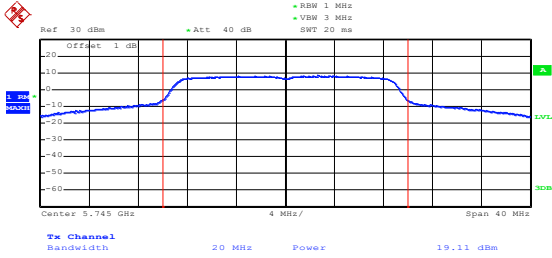
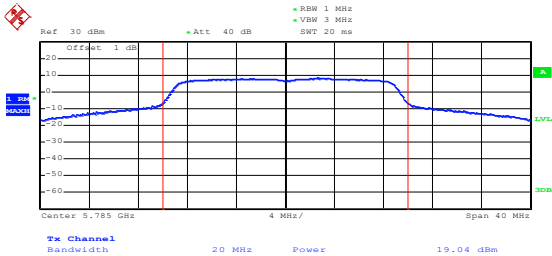
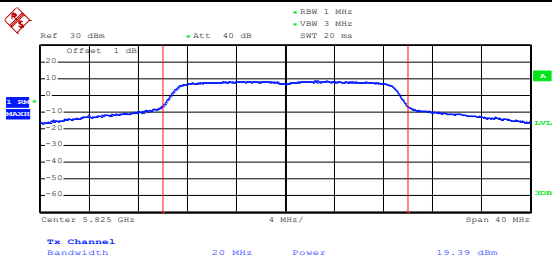
Date: 26.MAR.2024 10:19:22

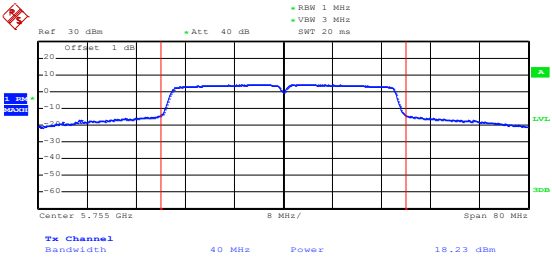
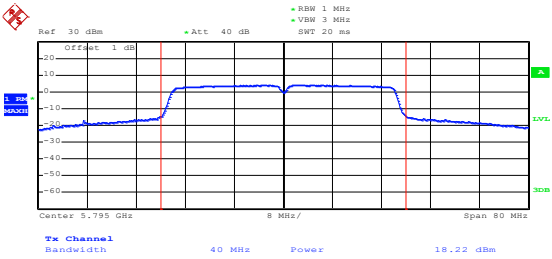
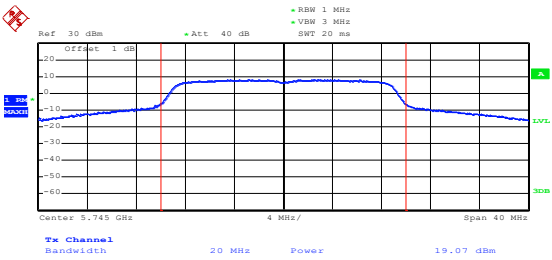


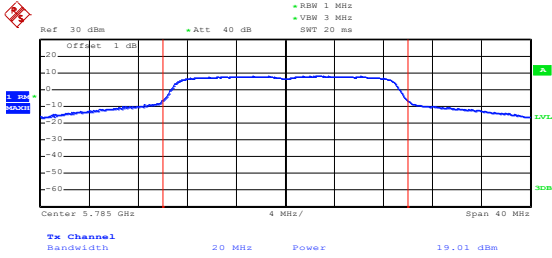
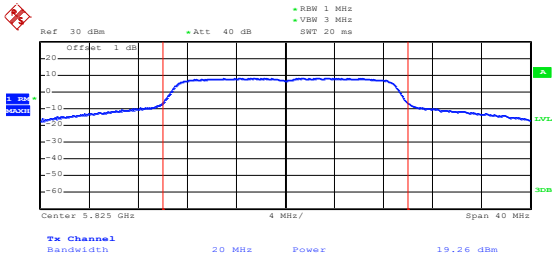
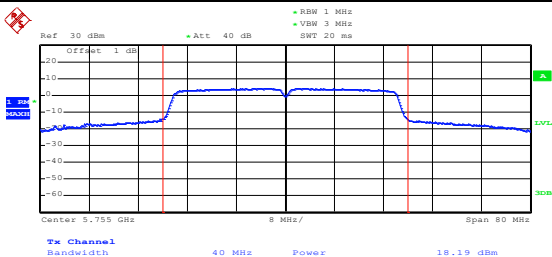
Date: 26.MAR.2024 10:20:18

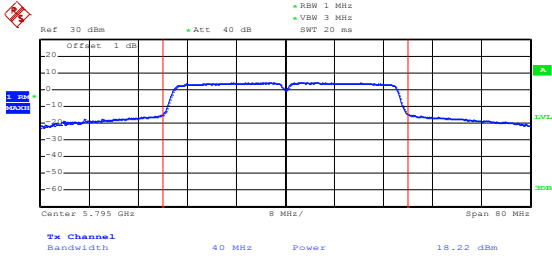
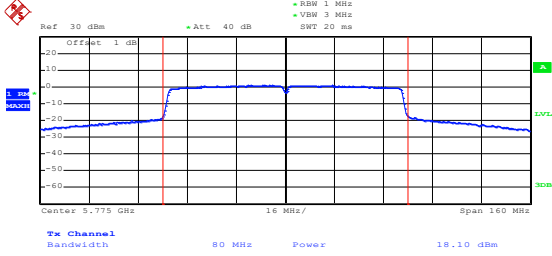
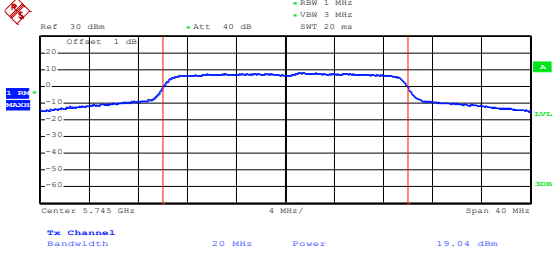


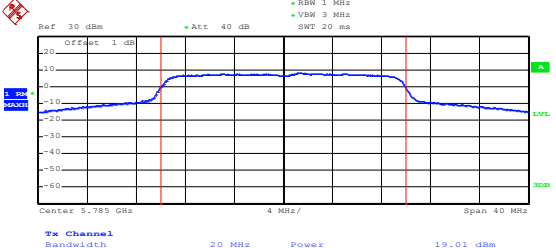
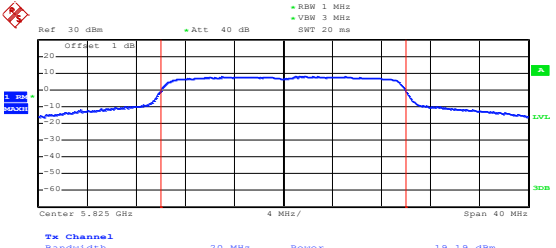
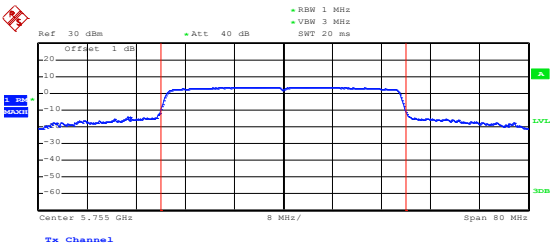
Date: 26.MAR.2024 10:20:45

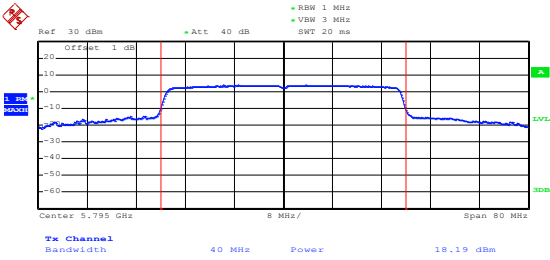
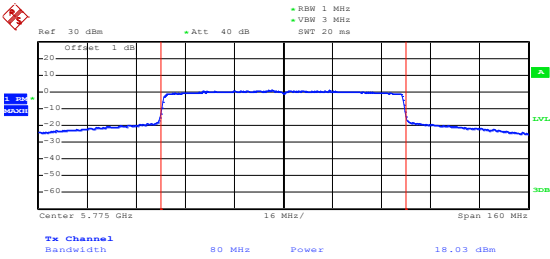
802.11n-HT20-Low	 Date: 26.MAR.2024 10:22:30
802.11n-HT20-Middle	 Date: 26.MAR.2024 10:22:01
802.11n-HT20-High	 Date: 26.MAR.2024 10:21:29

802.11n-HT40-Low	 Date: 26.MAR.2024 10:28:45
802.11n-HT40-High	 Date: 26.MAR.2024 10:29:08
802.11ac-VHT20-Low	 Date: 26.MAR.2024 10:23:32

802.11ac-VHT20-Middle	 Ref: 30 dBm Offset: 1 dB Att: 40 dB RBW: 1 MHz VBW: 3 MHz SWT: 20 ms Center: 5.755 GHz Span: 40 MHz Ts Channel Bandwidth: 20 MHz Power: 19.01 dBm Date: 26.MAR.2024 10:24:27
802.11ac-VHT20-High	 Ref: 30 dBm Offset: 1 dB Att: 40 dB RBW: 1 MHz VBW: 3 MHz SWT: 20 ms Center: 5.825 GHz Span: 40 MHz Ts Channel Bandwidth: 20 MHz Power: 19.26 dBm Date: 26.MAR.2024 10:24:53
802.11ac-VHT40-Low	 Ref: 30 dBm Offset: 1 dB Att: 40 dB RBW: 1 MHz VBW: 3 MHz SWT: 20 ms Center: 5.755 GHz Span: 80 MHz Ts Channel Bandwidth: 40 MHz Power: 18.19 dBm Date: 26.MAR.2024 10:29:49

802.11ac-VHT40-High	 Ref: 30 dBm Offset: 1 dB Att: 40 dB RBW: 1 MHz VBW: 3 MHz SWT: 20 ms Center: 5.755 GHz Span: 80 MHz Tx Channel Bandwidth: 40 MHz Power: 18.22 dBm Date: 26.MAR.2024 10:29:27
802.11ac-VHT80	 Ref: 30 dBm Offset: 1 dB Att: 40 dB RBW: 1 MHz VBW: 3 MHz SWT: 20 ms Center: 5.775 GHz Span: 160 MHz Tx Channel Bandwidth: 80 MHz Power: 18.10 dBm Date: 26.MAR.2024 10:31:37
802.11ax-HE20-Low	 Ref: 30 dBm Offset: 1 dB Att: 40 dB RBW: 1 MHz VBW: 3 MHz SWT: 20 ms Center: 5.745 GHz Span: 40 MHz Tx Channel Bandwidth: 20 MHz Power: 19.04 dBm Date: 26.MAR.2024 10:27:22

802.11ax-HE20-Middle	 Date: 26.MAR.2024 10:26:16
802.11ax-HE20-High	 Date: 26.MAR.2024 10:25:12
802.11ax-HE40-Low	 Date: 26.MAR.2024 10:30:14

802.11ax-HE40-High	 Date: 26.MAR.2024 10:30:41
802.11ax-HE80	 Date: 26.MAR.2024 10:32:01

APPENDIX D

Frequency Stability

U-NII-1:5150-5250MHz worst case at 802.11a middle channel				
Voltage(%)	Power(VDC)	TEMP(°C)	Freq.Dev(Hz)	Deviation
100%	3.85	-30	162	0.0312
100%		-20	151	0.0290
100%		-10	147	0.0283
100%		0	144	0.0277
100%		+10	105	0.0202
100%		+20	157	0.0302
100%		+30	170	0.0327
100%		+40	107	0.0206
100%		+50	171	0.0329
Low Battery power	3.5	+20	113	0.0217
High Battery power	4.4	+20	113	0.0217

U-NII-2A: 5250-5350MHz worst case at 802.11a middle channel				
Voltage(%)	Power(VDC)	TEMP(°C)	Freq.Dev(Hz)	Deviation
100%	3.85	-30	134	0.0253
100%		-20	125	0.0236
100%		-10	180	0.0340
100%		0	132	0.0249
100%		+10	169	0.0319
100%		+20	164	0.0309
100%		+30	143	0.0270
100%		+40	101	0.0191
100%		+50	134	0.0253
Low Battery power	3.5	+20	157	0.0296
High Battery power	4.4	+20	176	0.0332

U-NII-2C: 5470-5725MHz worst case at 802.11a middle channel				
Voltage(%)	Power(VDC)	TEMP(°C)	Freq.Dev(Hz)	Deviation
100%	3.85	-30	115	0.0206
100%		-20	112	0.0201
100%		-10	116	0.0208
100%		0	129	0.0231
100%		+10	157	0.0281
100%		+20	101	0.0181
100%		+30	173	0.0310
100%		+40	125	0.0224
100%		+50	156	0.0280
Low Battery power	3.5	+20	102	0.0183
High Battery power	4.4	+20	117	0.0210

U-NII-3:5725-5850MHz worst case at 802.11a middle channel				
Voltage(%)	Power(VDC)	TEMP(°C)	Freq.Dev(Hz)	Deviation
100%	3.85	-30	161	0.0278
100%		-20	136	0.0235
100%		-10	132	0.0228
100%		0	108	0.0187
100%		+10	141	0.0244
100%		+20	123	0.0213
100%		+30	140	0.0242
100%		+40	168	0.0290
100%		+50	165	0.0285
Low Battery power	3.5	+20	139	0.0240
High Battery power	4.4	+20	131	0.0226

APPENDIX PHOTOGRAPHS

Please refer to “ANNEX”

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