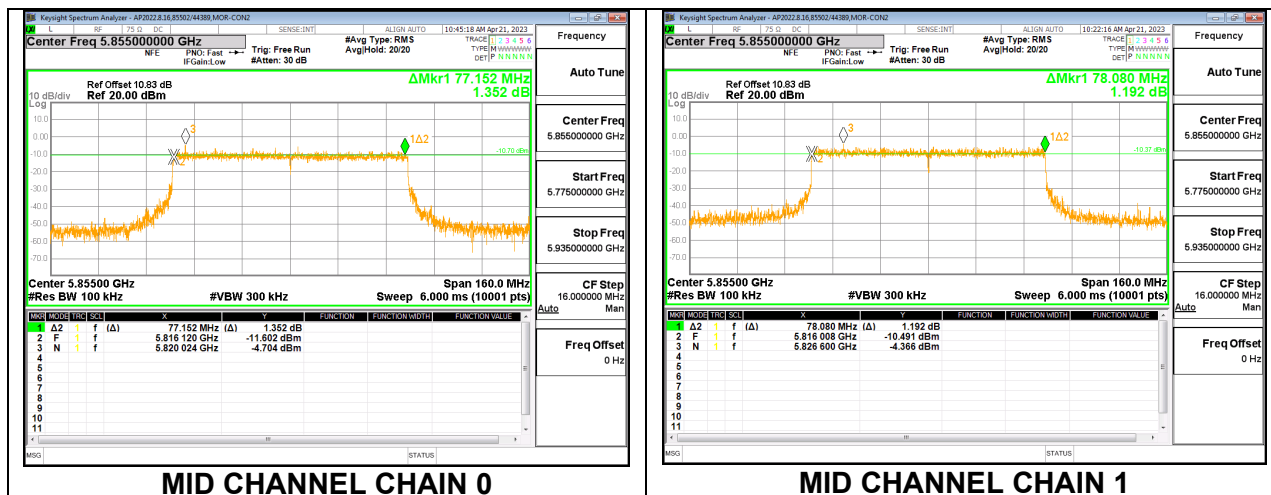


9.1.7. 802.11ax HE80 MODE IN THE 5.9 GHz BAND

2TX CDD MODE – 996T

Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Mid	5855	77.152	78.080	0.5

MID CHANNEL



9.2. 99% BANDWIDTH

LIMITS

None; for reporting purposes only.

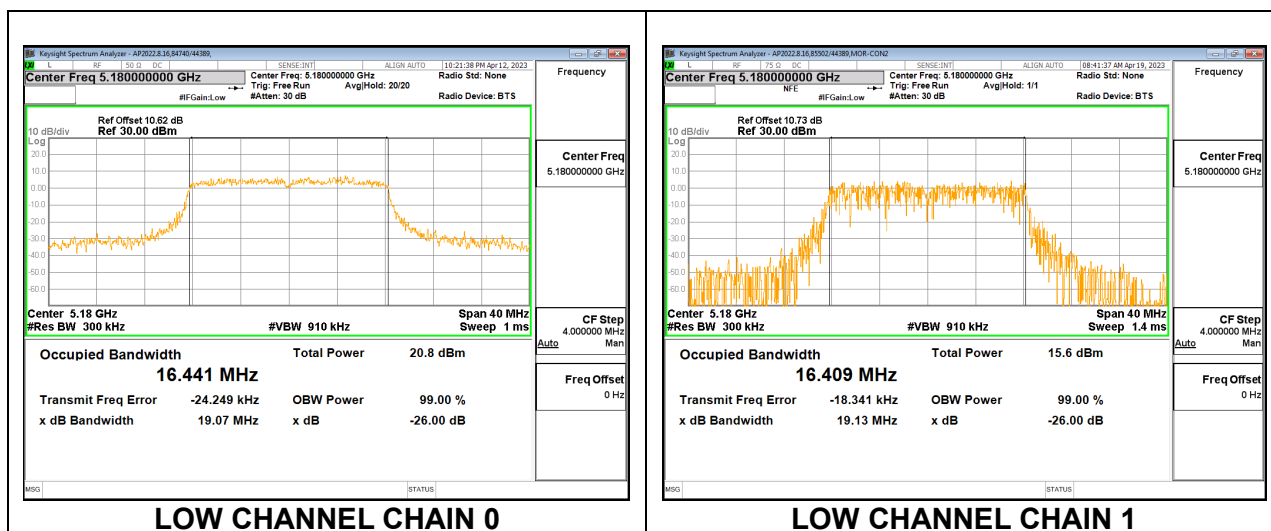
RESULTS

9.2.1. 802.11a MODE IN THE 5.2 GHz BAND

2TX CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Low	5180	16.441	16.409
Mid	5200	16.399	16.456
High	5240	16.417	16.464

LOW CHANNEL



The figure displays two side-by-side screenshots of a Keysight Spectrum Analyzer, showing the frequency response of two different mid-channel chains. Both plots are set to a center frequency of 5.200000000 GHz, a span of 40 MHz, and a resolution bandwidth of 300 kHz. The left plot, labeled 'MID CHANNEL CHAIN 0', shows a flat response at 0 dBm across the entire span, with a slight dip at the center frequency. The right plot, labeled 'MID CHANNEL CHAIN 1', shows a similar flat response, but with a more pronounced dip at the center frequency, reaching approximately -26.00 dB. Both plots include a table of key performance indicators (KPIs) at the bottom, such as Occupied Bandwidth, Total Power, and Transmit Freq Error.

Parameter	Chain 0 Value	Chain 1 Value
Center Freq	5.200000000 GHz	5.200000000 GHz
Ref Offset	10.62 dB	10.73 dB
Ref	30.00 dBm	30.00 dBm
Center Freq (displayed)	5.2 GHz	5.2 GHz
#Res BW	300 kHz	300 kHz
#VBW	910 kHz	910 kHz
Span	40 MHz	40 MHz
Sweep	1 ms	1.4 ms
CF Step	4.000000 MHz	4.000000 MHz
Auto	Man	Man
Frequency Offset	0 Hz	0 Hz
Occupied Bandwidth	16.399 MHz	16.456 MHz
Total Power	20.7 dBm	15.2 dBm
Transmit Freq Error	-29.829 kHz	-29.146 kHz
OBW Power	99.00 %	99.00 %
x dB Bandwidth	18.69 MHz	18.12 MHz
x dB	-26.00 dB	-26.00 dB

The figure displays two side-by-side Keysight Spectrum Analyzer screenshots, labeled 'HIGH CHANNEL CHAIN 0' and 'HIGH CHANNEL CHAIN 1'. Both plots show the frequency response of a channel chain. The x-axis represents frequency in MHz, ranging from 5.24000000 to 5.24000000. The y-axis represents power in dBm, ranging from -60.00 to 10.00. The plots show a flat response at 10 dBm with a slight dip at the center frequency. The left plot for Chain 0 shows a 16.417 MHz occupied bandwidth, while the right plot for Chain 1 shows a 16.464 MHz occupied bandwidth. Both have a transmit frequency error of -24.345 kHz and an OBW power of 99.00%.

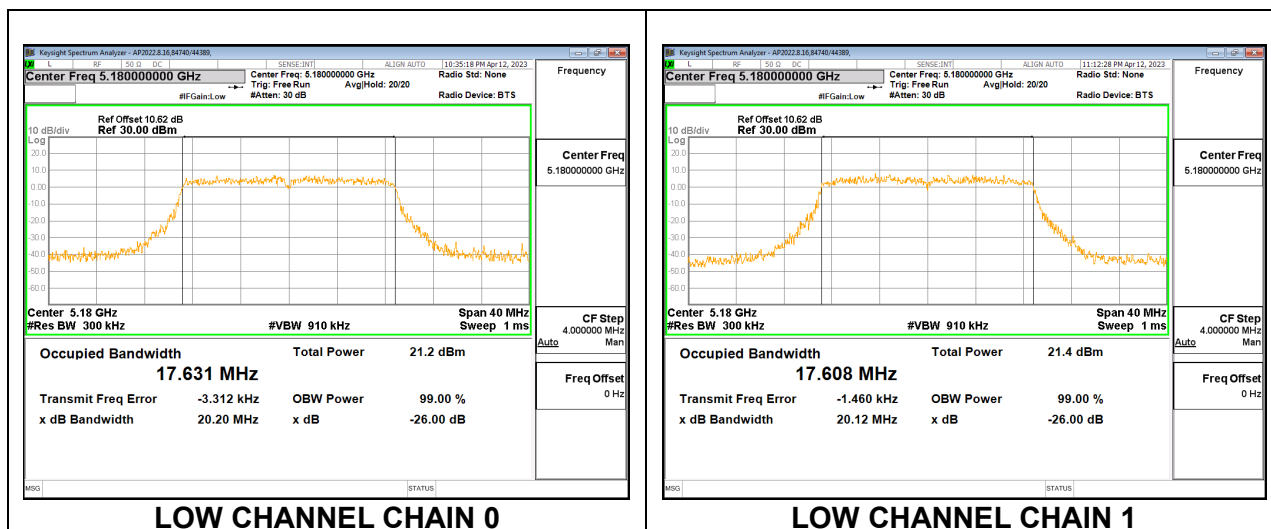
Parameter	High Channel Chain 0	High Channel Chain 1
Center Freq	5.24000000 GHz	5.24000000 GHz
Ref Offset	10.62 dB	10.62 dB
Ref	30.00 dBm	30.00 dBm
Occupied Bandwidth	16.417 MHz	16.464 MHz
Total Power	20.8 dBm	20.1 dBm
Transmit Freq Error	-12.964 kHz	-24.345 kHz
OBW Power	99.00 %	99.00 %
x dB Bandwidth	19.09 MHz	18.91 MHz
x dB	-26.00 dB	-26.00 dB

9.2.2. 802.11n HT20 MODE IN THE 5.2 GHz BAND

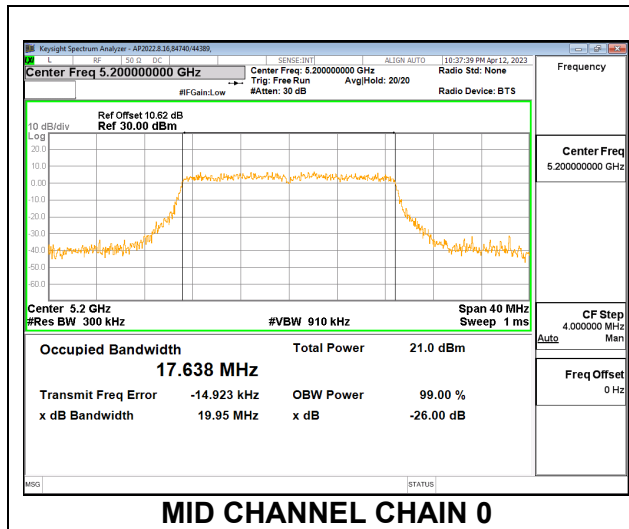
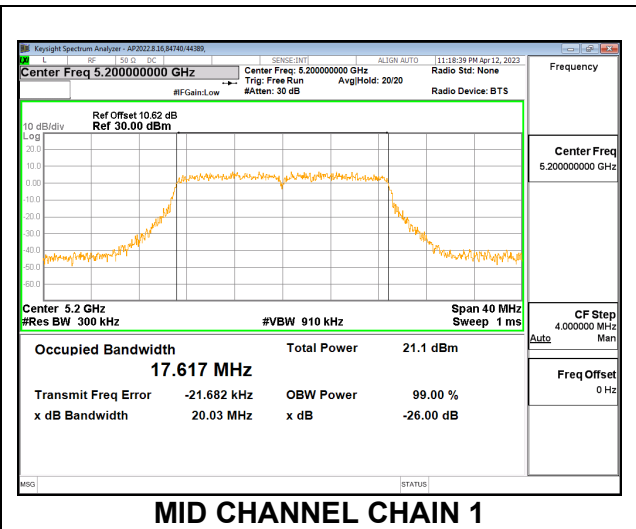
2TX CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Low	5180	17.631	17.608
Mid	5200	17.638	17.617
High	5240	17.620	17.619

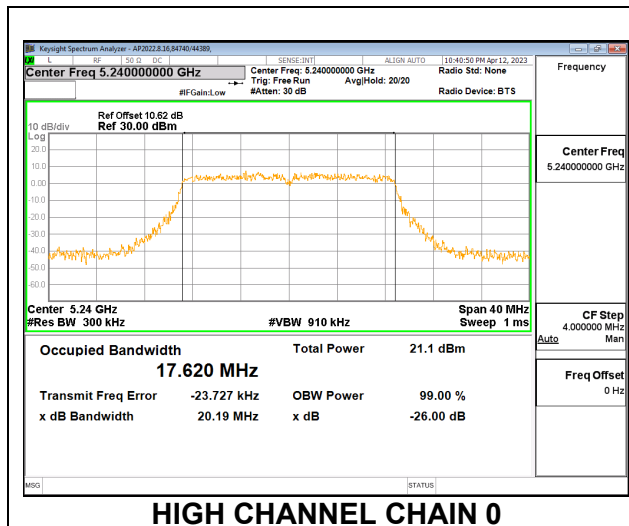
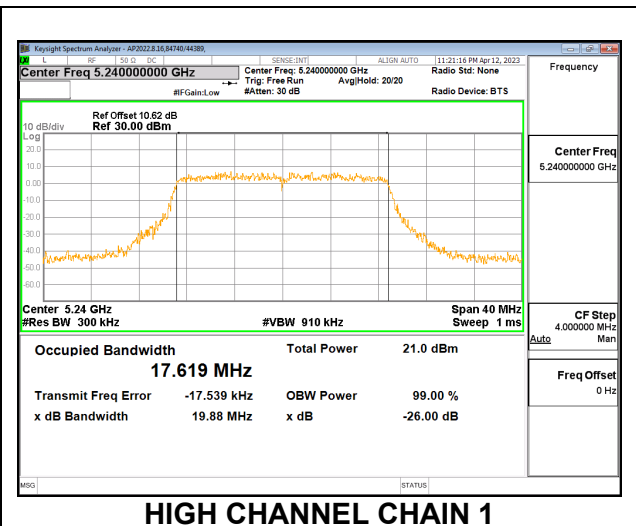
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL

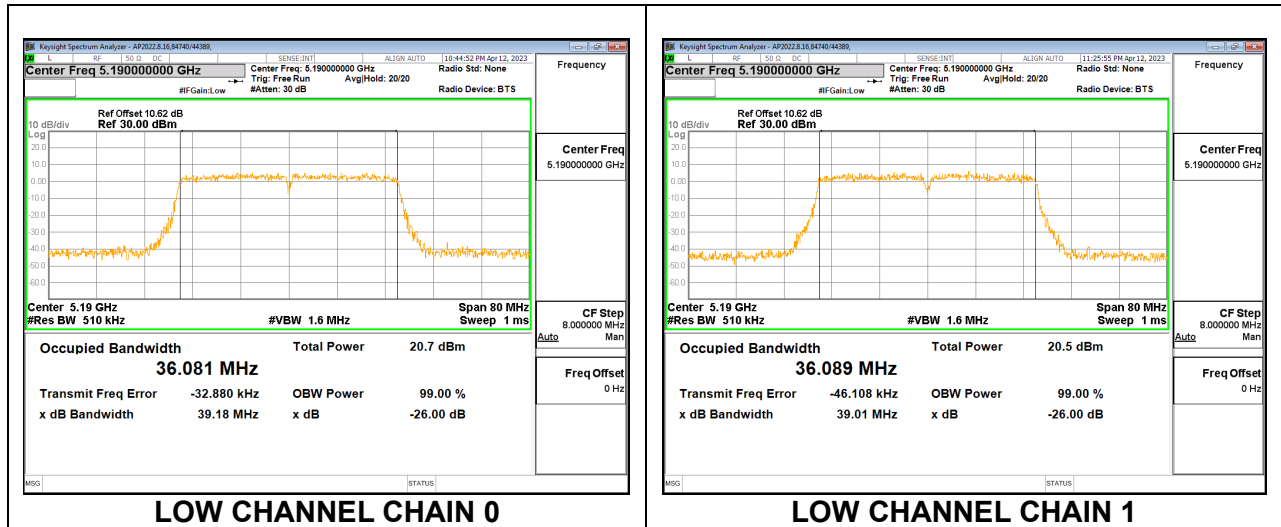


9.2.3. 802.11n HT40 MODE IN THE 5.2 GHz BAND

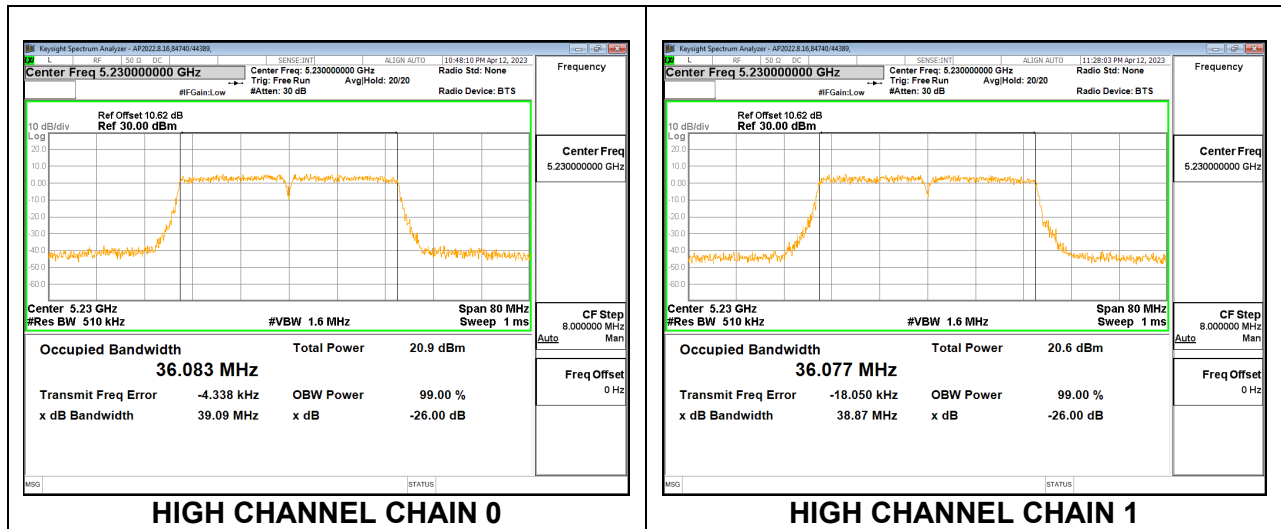
2TX CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Low	5190	36.081	36.089
High	5230	36.083	36.077

LOW CHANNEL



HIGH CHANNEL

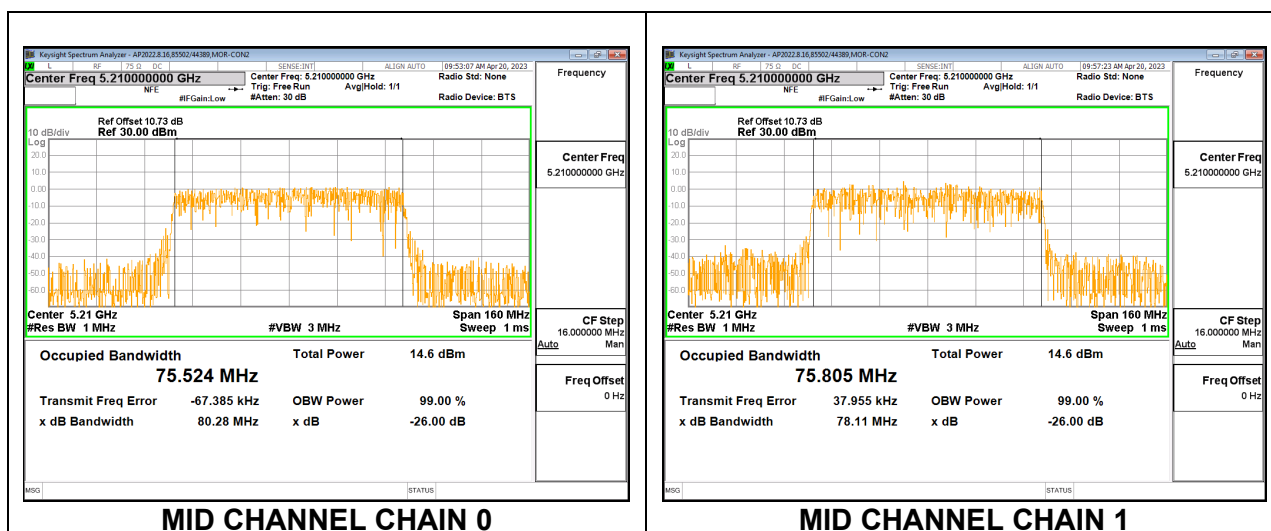


9.2.4. 802.11ac VHT80 MODE IN THE 5.2 GHz BAND

2TX CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Antenna 1 (MHz)	99% Bandwidth Antenna 2 (MHz)
Mid	5210	75.524	75.805

MID CHANNEL

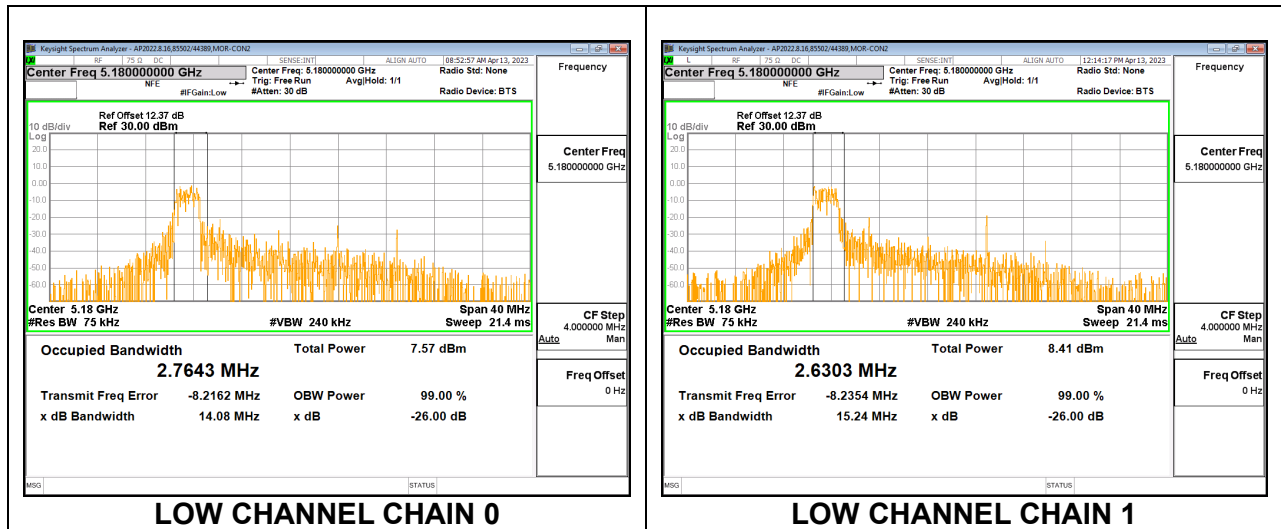


9.2.5. 802.11ax HE20 MODE IN THE 5.2 GHz BAND

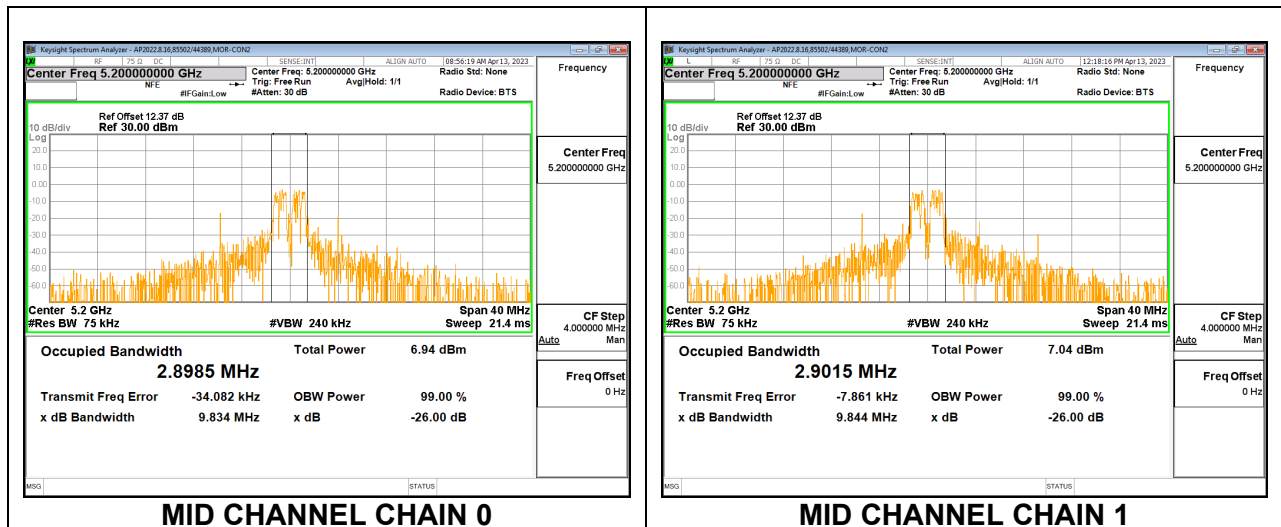
2TX CDD MODE – 26T

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Low	5180	2.7643	2.6303
Mid	5200	2.8985	2.9015
High	5240	2.8983	2.8704

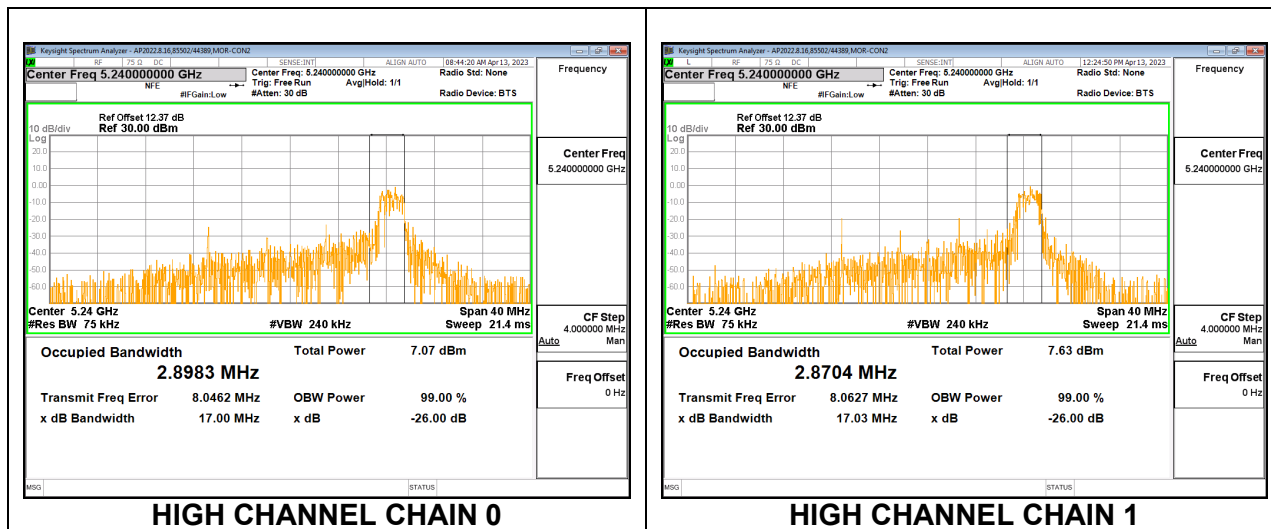
LOW CHANNEL



MID CHANNEL



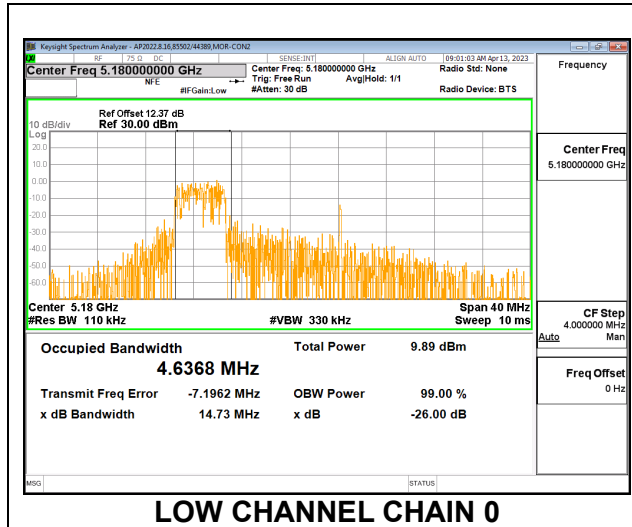
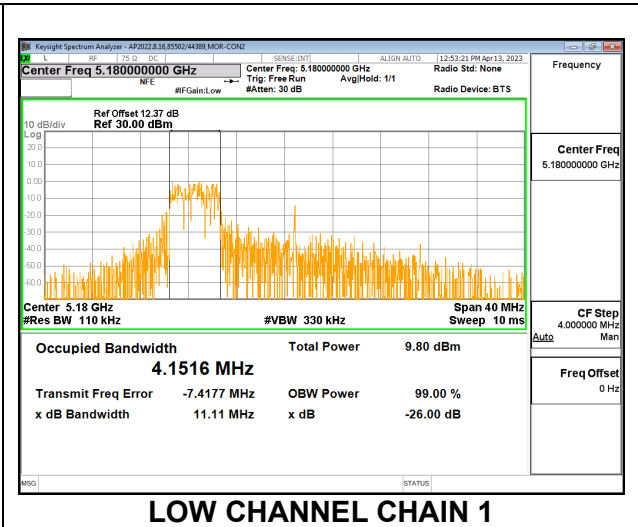
HIGH CHANNEL



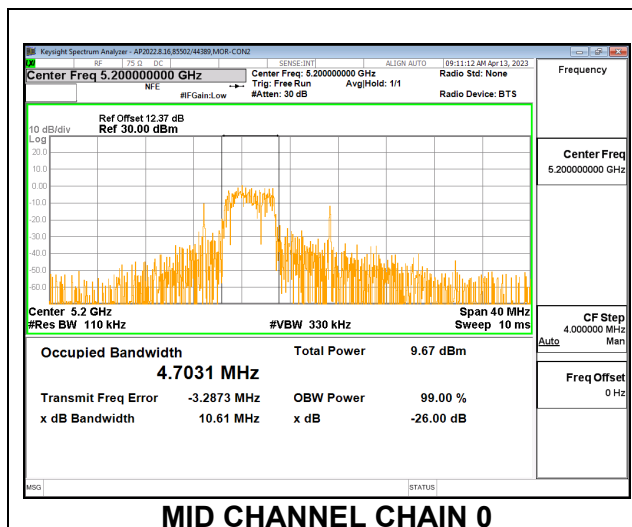
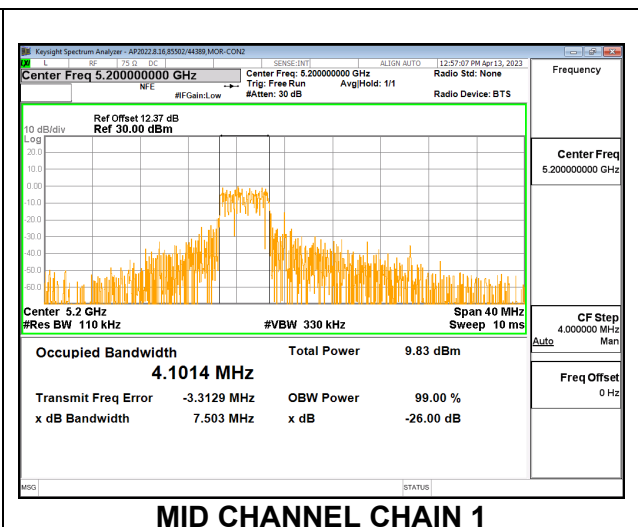
2TX CDD MODE – 52T

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Low	5180	4.6368	4.1516
Mid	5200	4.7031	4.1014
High	5240	4.1680	4.1782

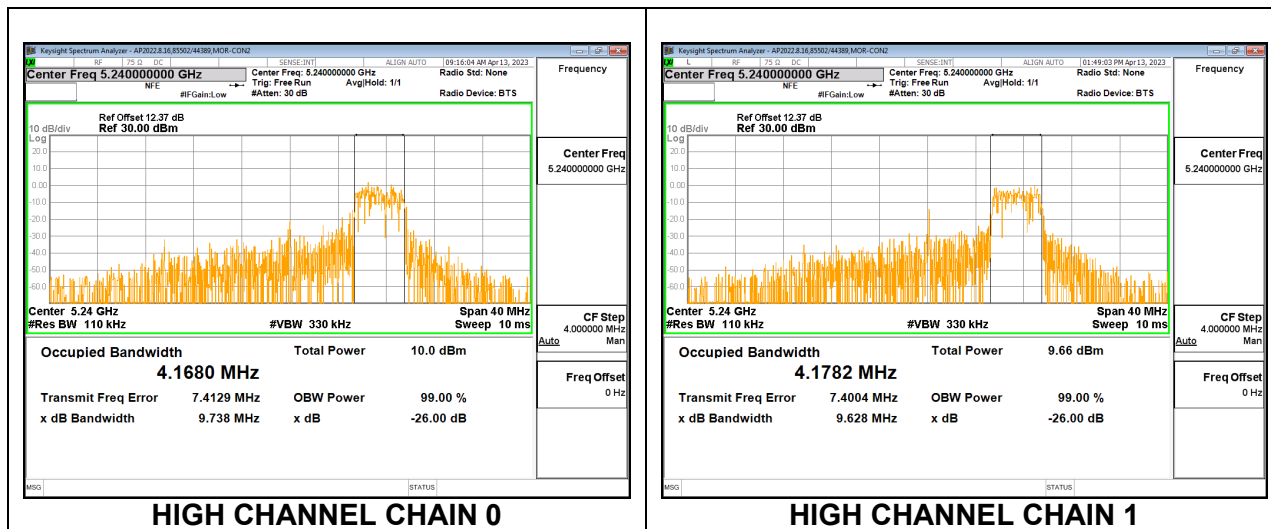
LOW CHANNEL



MID CHANNEL



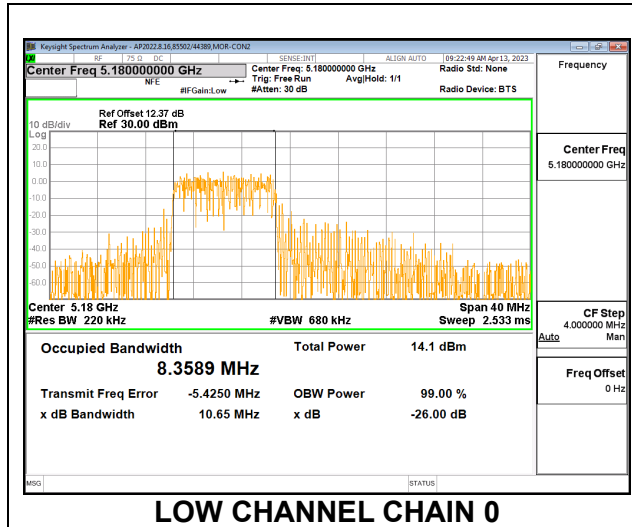
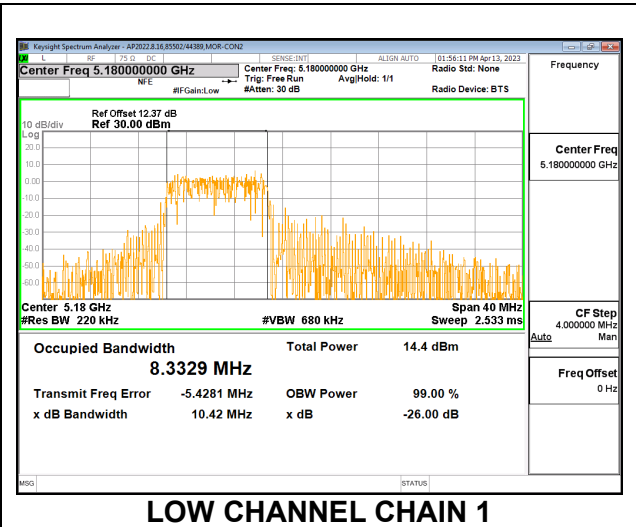
HIGH CHANNEL



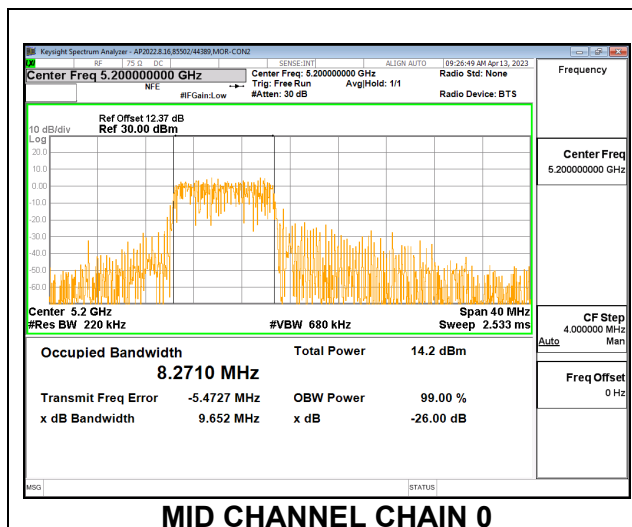
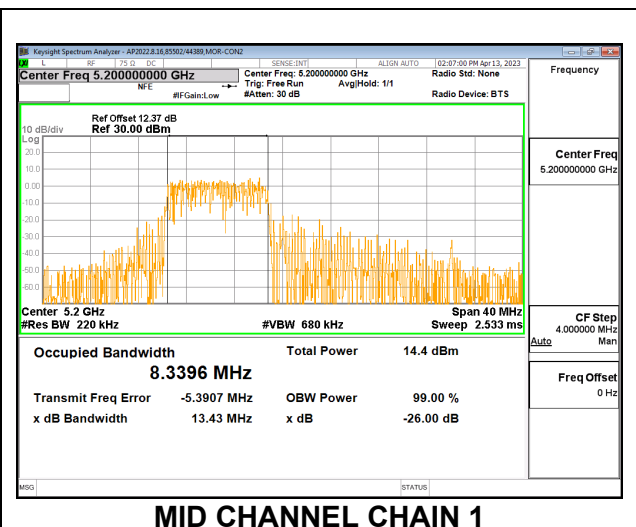
2TX CDD MODE – 106T

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Low	5180	8.3589	8.3329
Mid	5200	8.2710	8.3396
High	5240	8.2682	8.2767

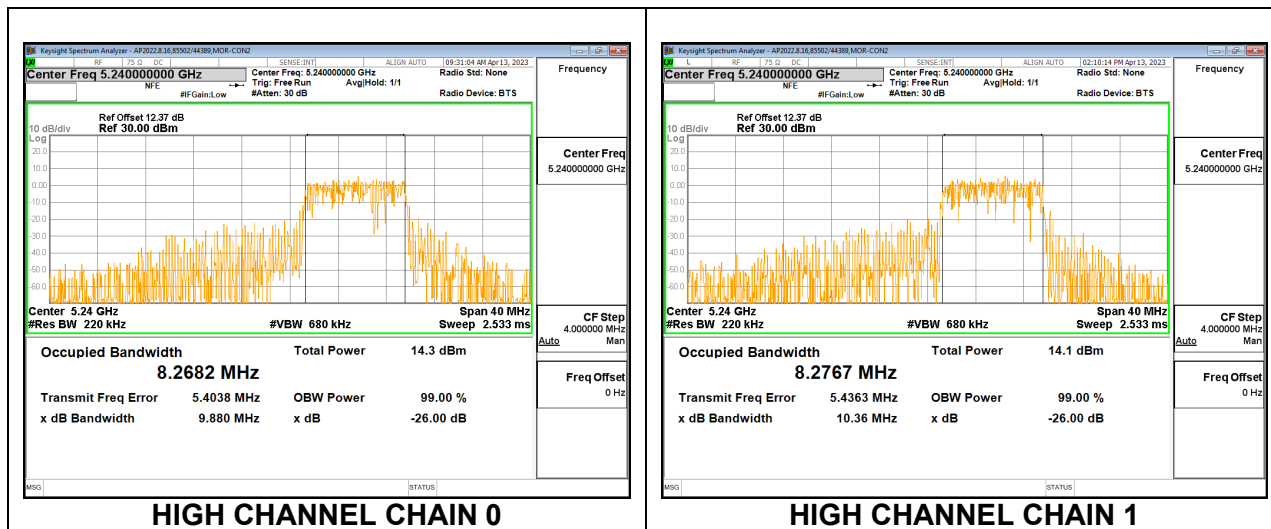
LOW CHANNEL



MID CHANNEL



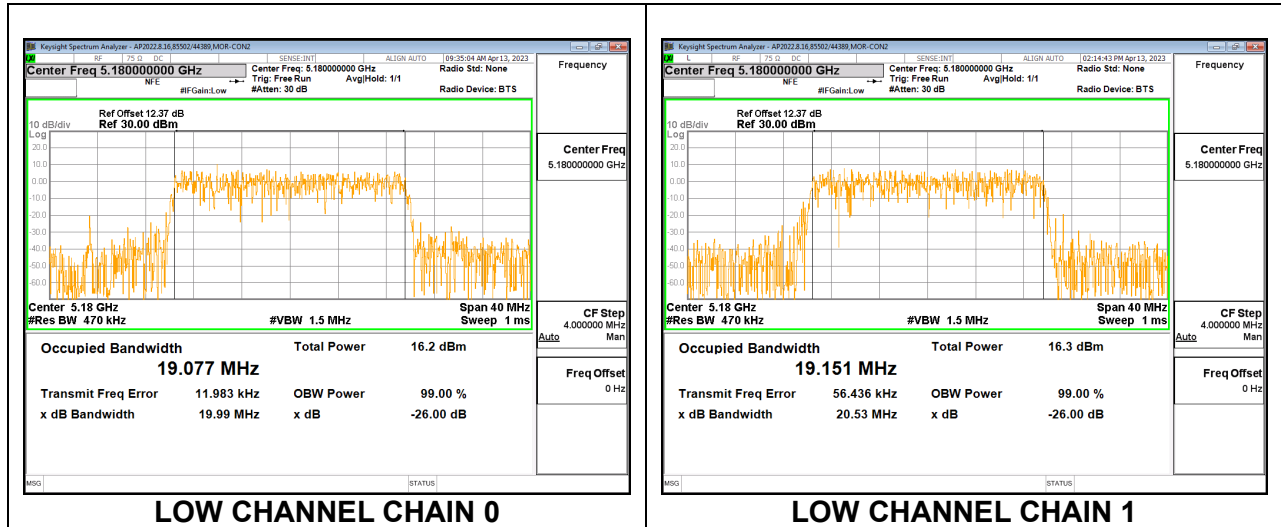
HIGH CHANNEL



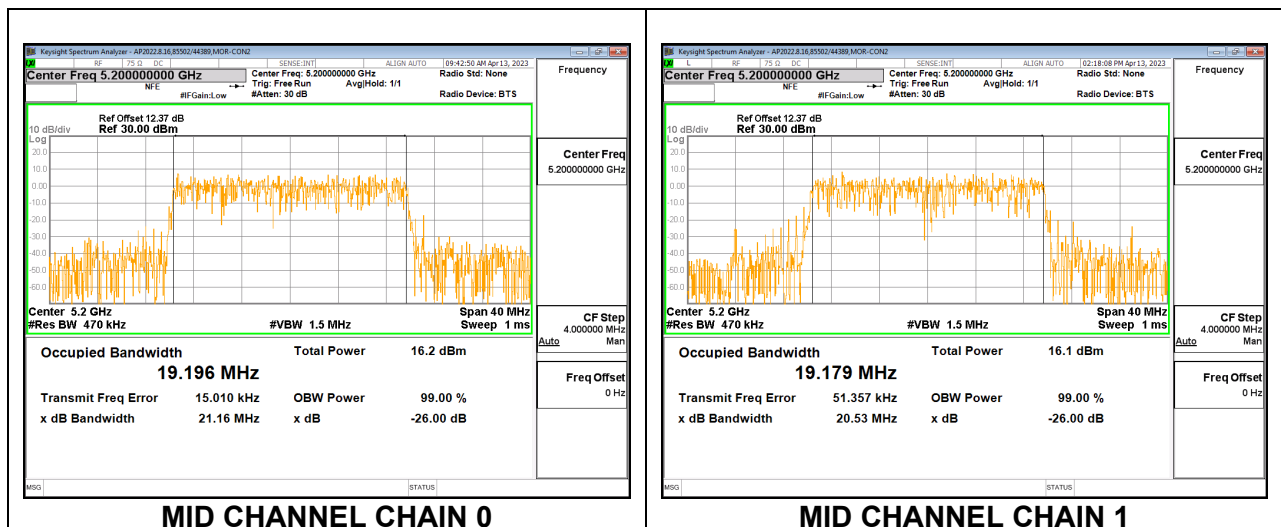
2TX CDD MODE – 242T

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Low	5180	19.077	19.151
Mid	5200	19.196	19.179
High	5240	19.152	19.107

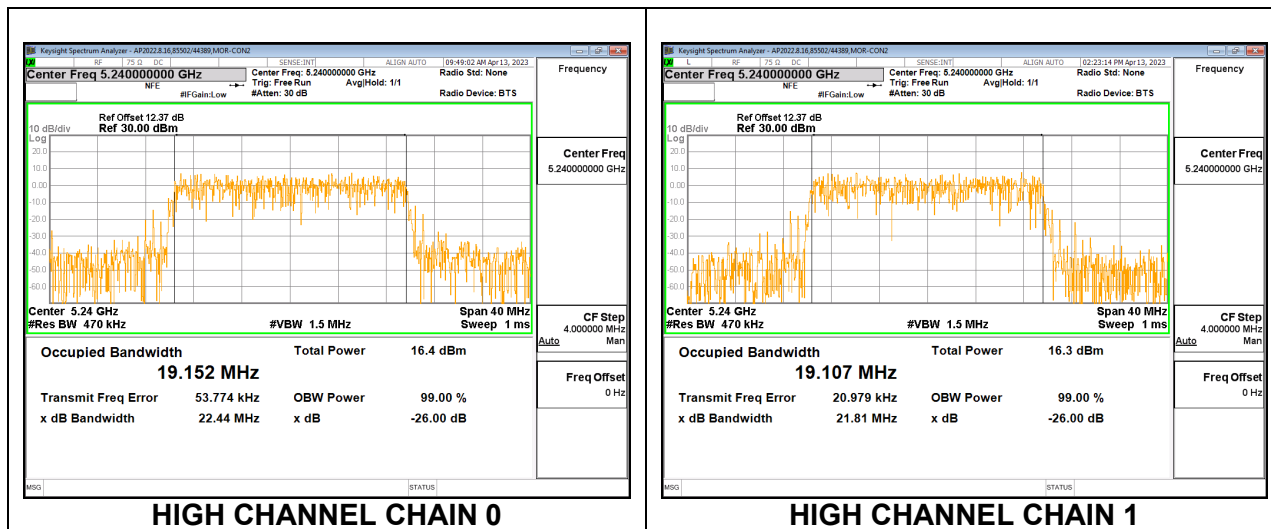
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL

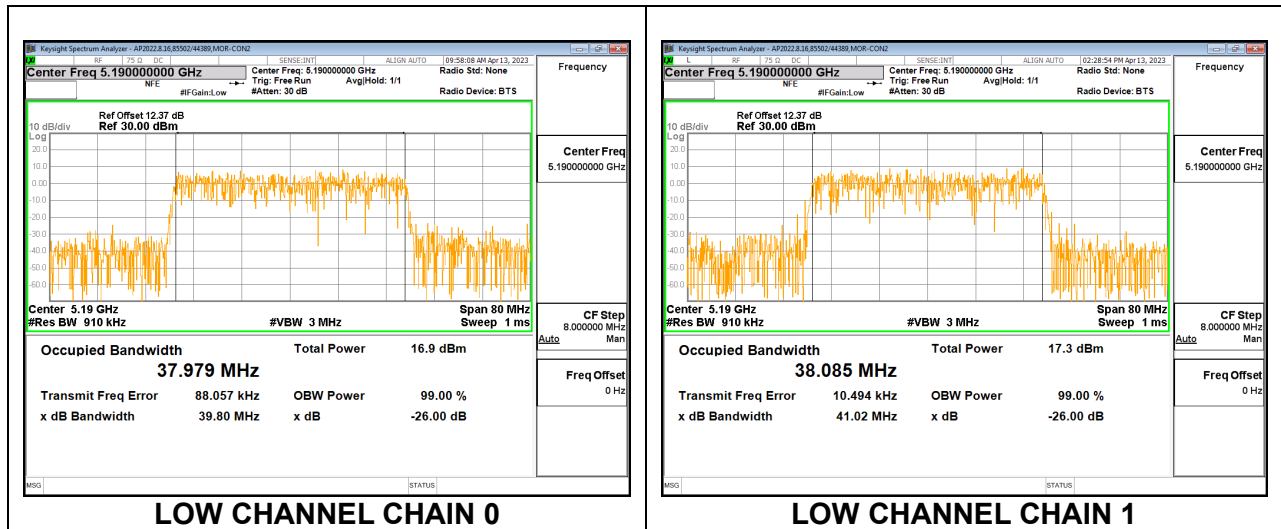


9.2.7. 802.11ax HE40 MODE IN THE 5.2 GHz BAND

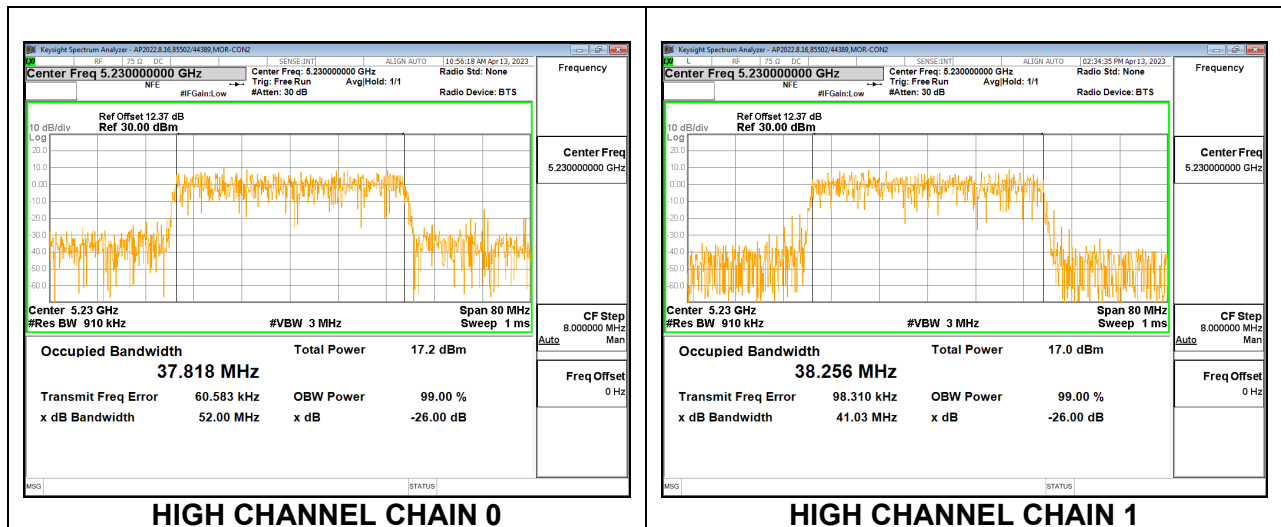
2TX CDD MODE – 484T

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Low	5190	37.98	38.09
High	5230	37.82	38.26

LOW CHANNEL



HIGH CHANNEL

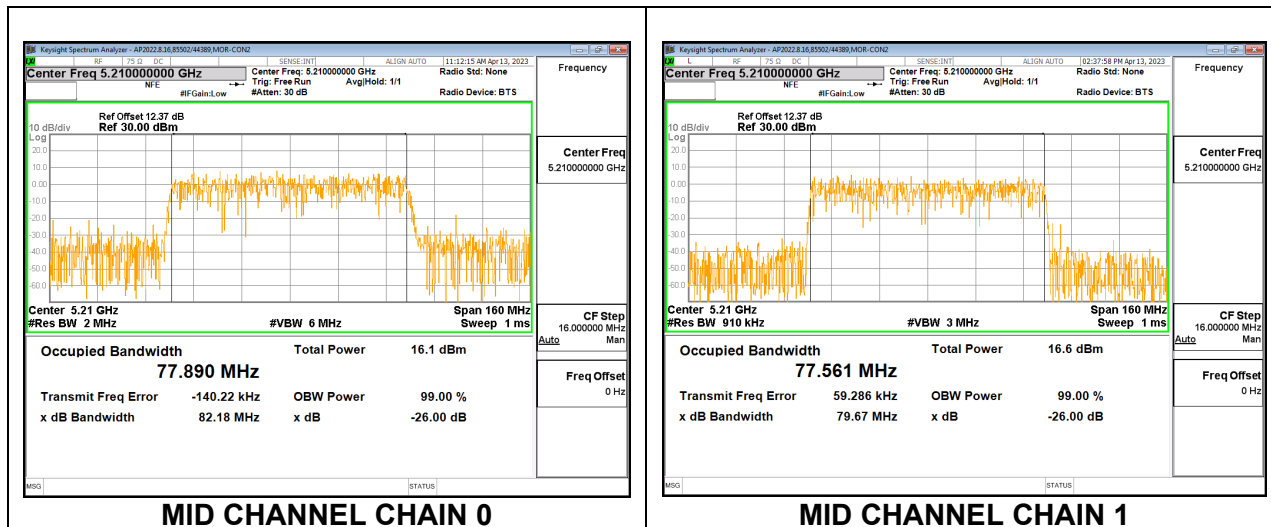


9.2.8. 802.11ax HE80 MODE IN THE 5.2 GHz BAND

2TX CDD MODE – 996T

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Mid	5210	77.890	77.561

MID CHANNEL

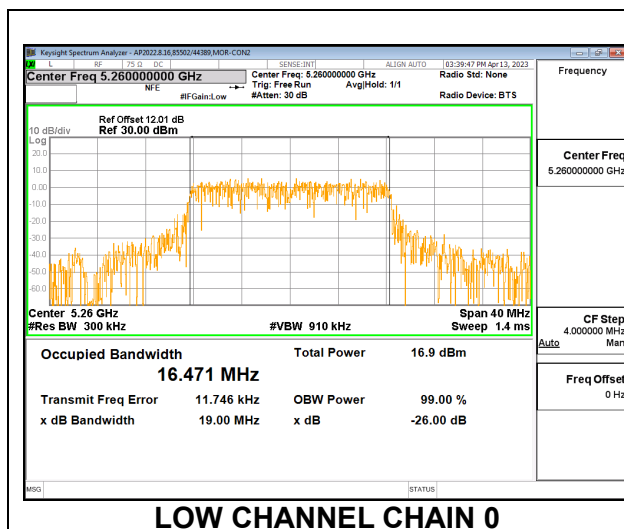


9.2.9. 802.11a MODE IN THE 5.3 GHz BAND

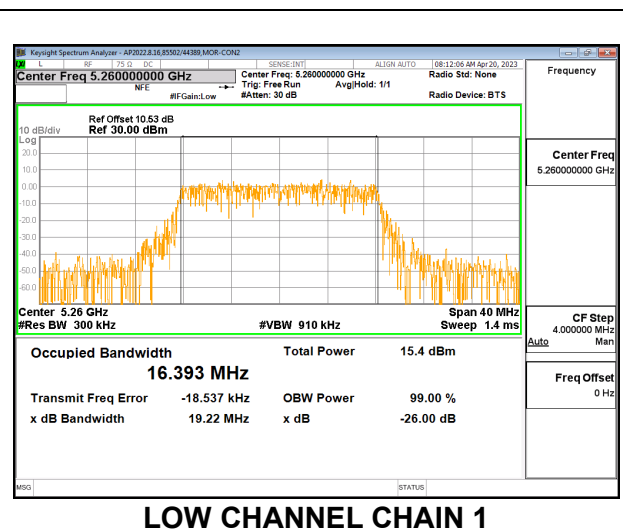
2TX CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Low	5260	16.471	16.393
Mid	5300	16.440	16.466
High	5320	16.468	16.429

LOW CHANNEL

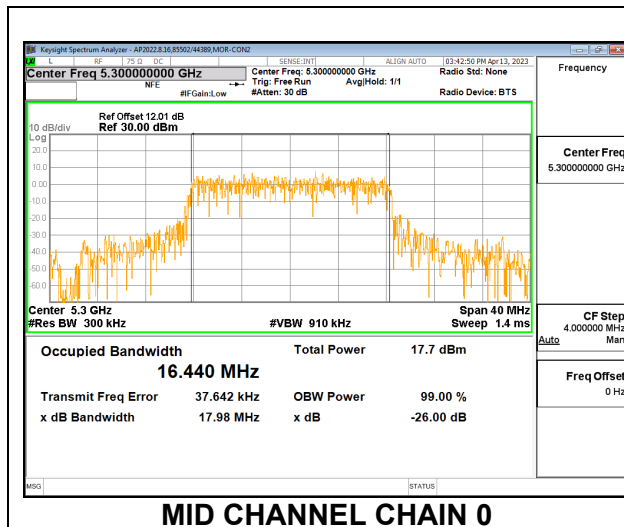


LOW CHANNEL CHAIN 0

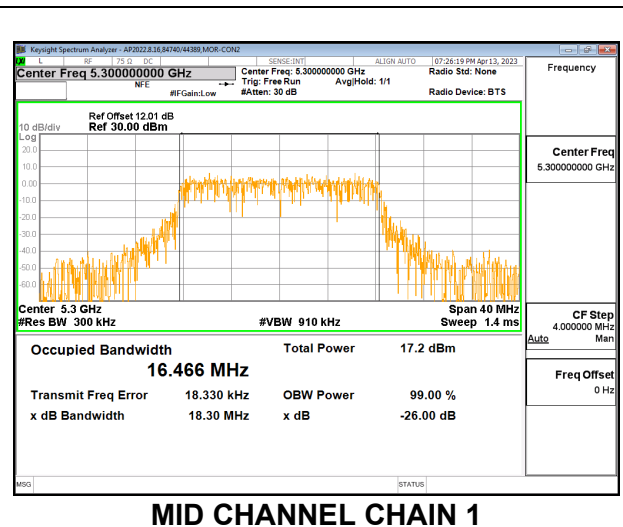


LOW CHANNEL CHAIN 1

MID CHANNEL

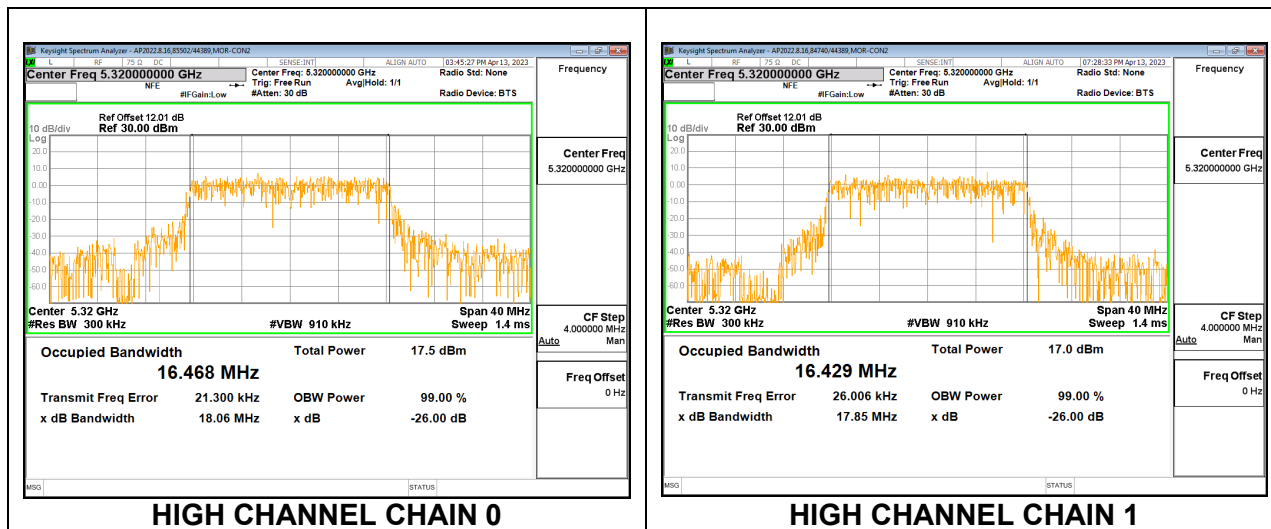


MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1

HIGH CHANNEL

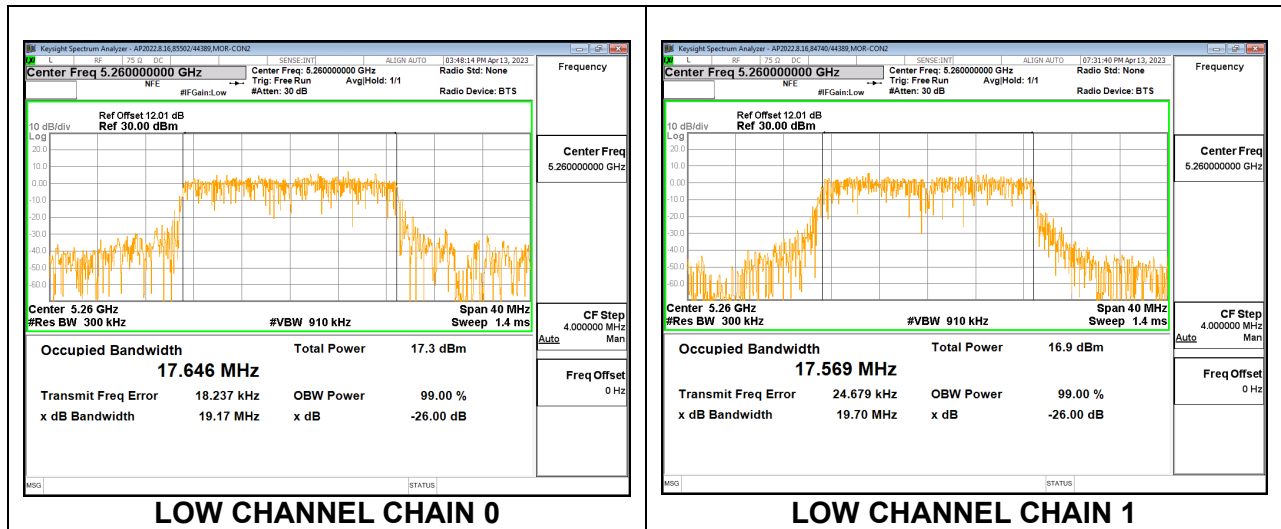


9.2.10. 802.11n HT20 MODE IN THE 5.3 GHz BAND

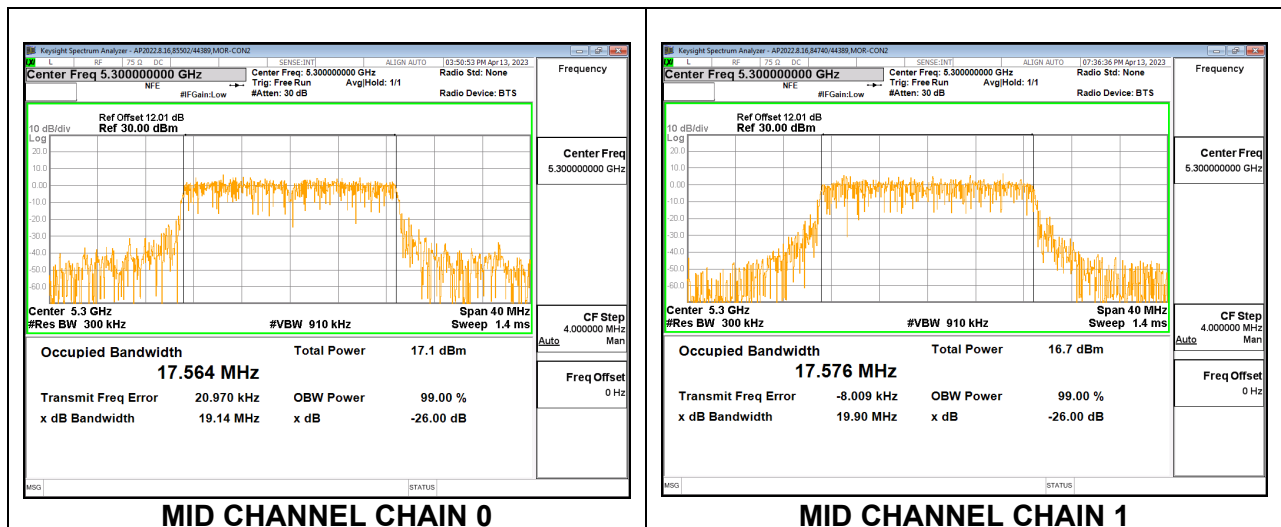
2TX CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Low	5260	17.646	17.569
Mid	5300	17.564	17.576
High	5320	17.659	17.581

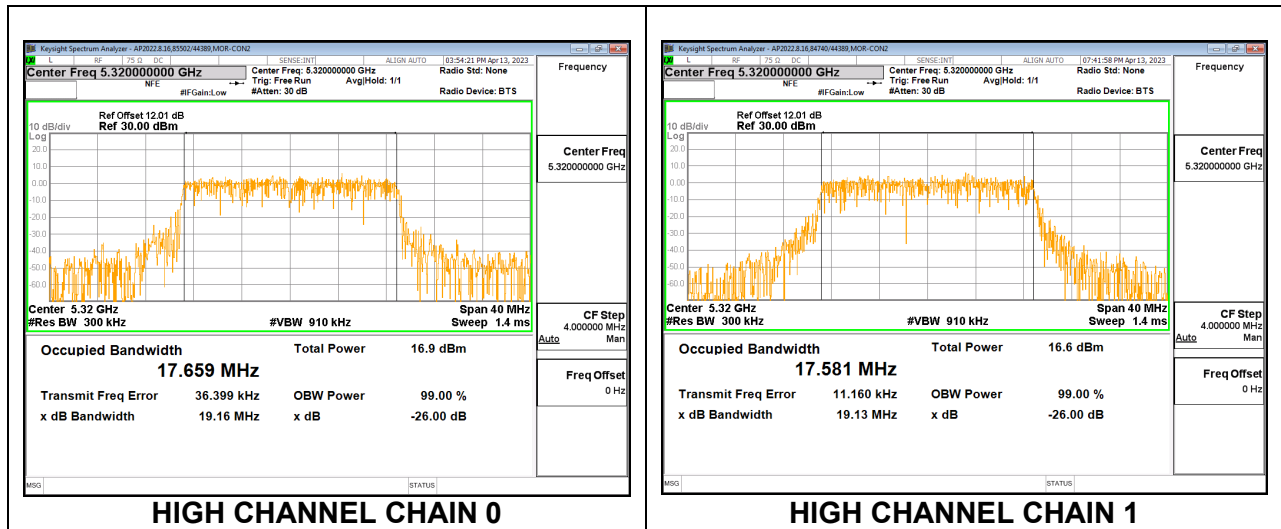
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL

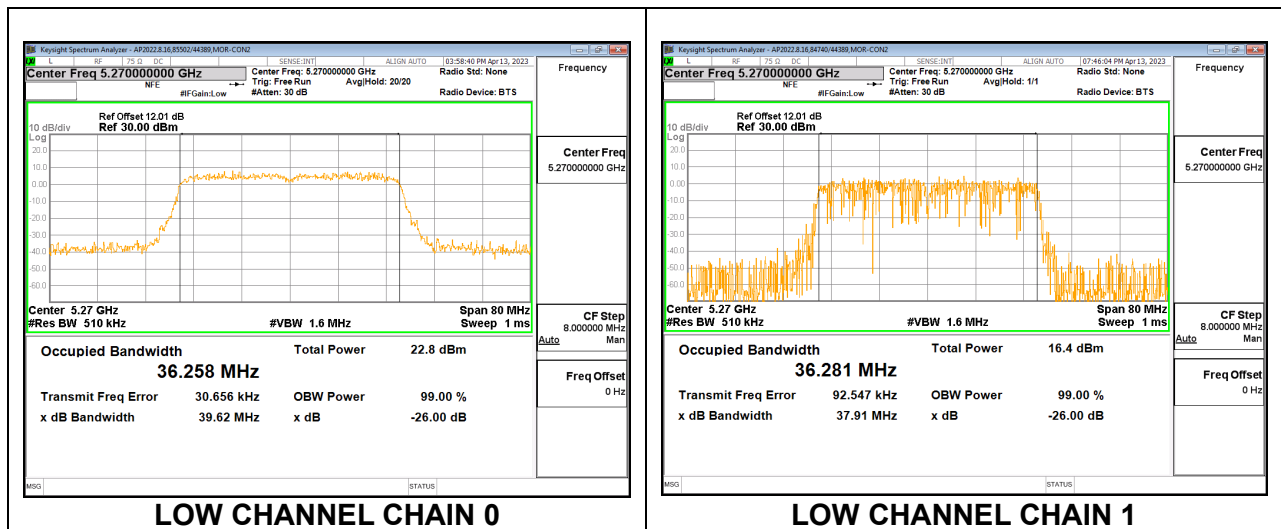


9.2.11. 802.11n HT40 MODE IN THE 5.3 GHz BAND

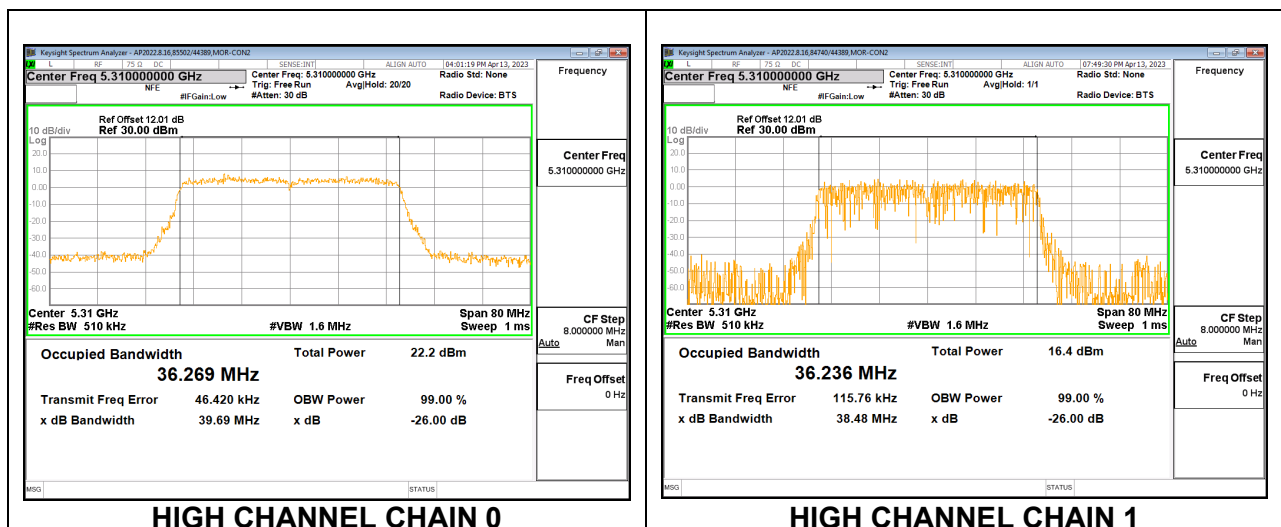
2TX CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Low	5270	36.258	36.281
High	5310	36.269	36.236

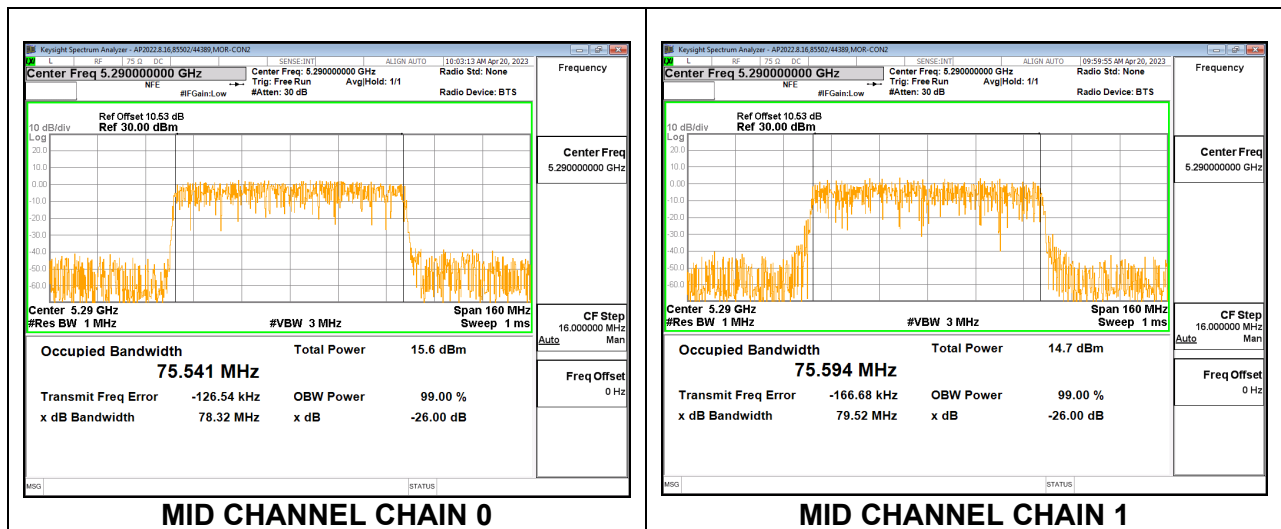
LOW CHANNEL



HIGH CHANNEL



Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Mid	5290	75.541	75.594

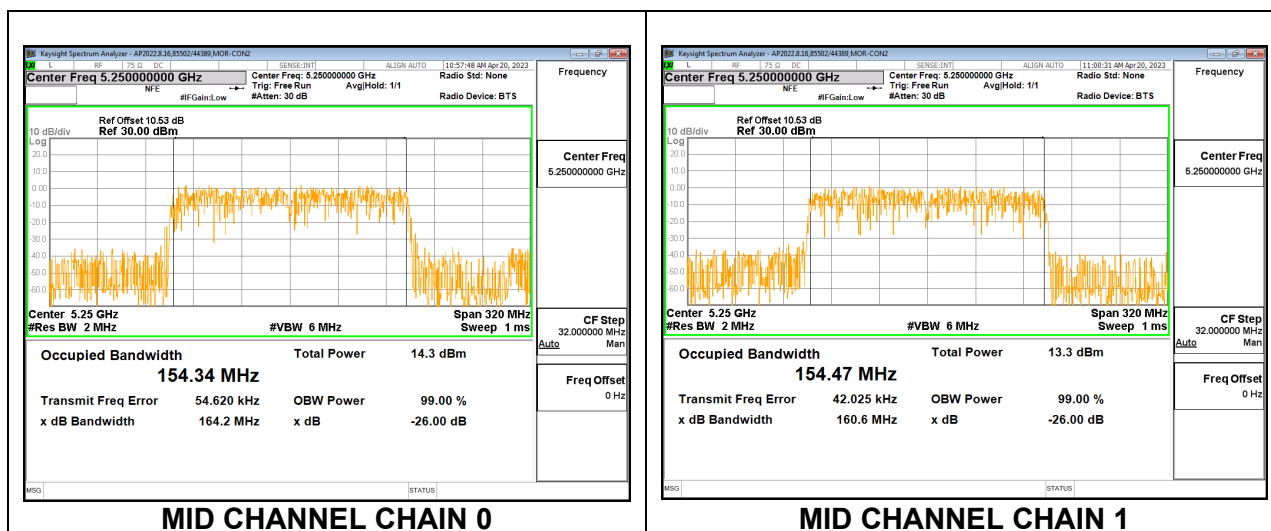


9.2.13. 802.11ac VHT160 MODE IN THE 5.2 AND 5.3 GHz BAND

2TX CDD MODE

Channel	Frequency	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Mid	5250	154.34	154.47

MID CHANNEL

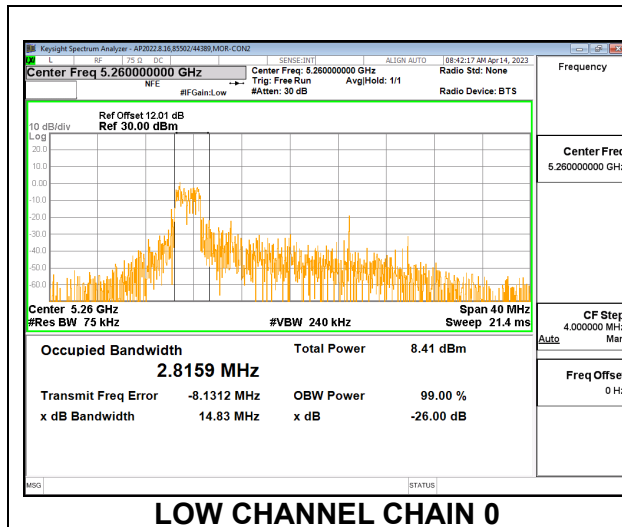


9.2.14. 802.11ax HE20 MODE IN THE 5.3 GHz BAND

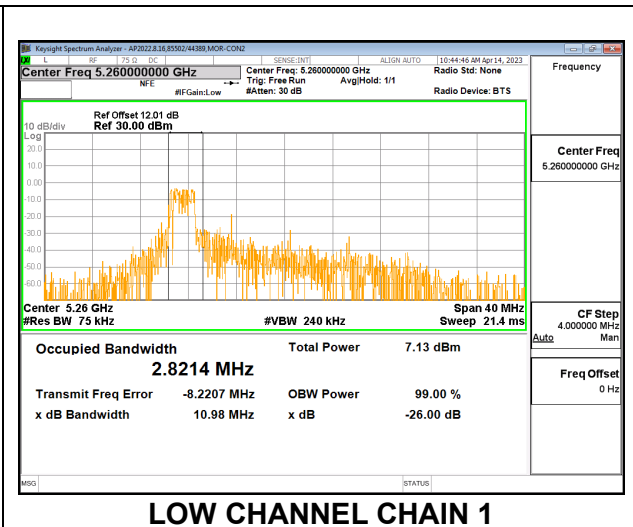
2TX CDD MODE – 26T

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Low	5260	2.8159	2.8214
Mid	5300	2.7868	2.6385
High	5320	2.8721	3.2289

LOW CHANNEL

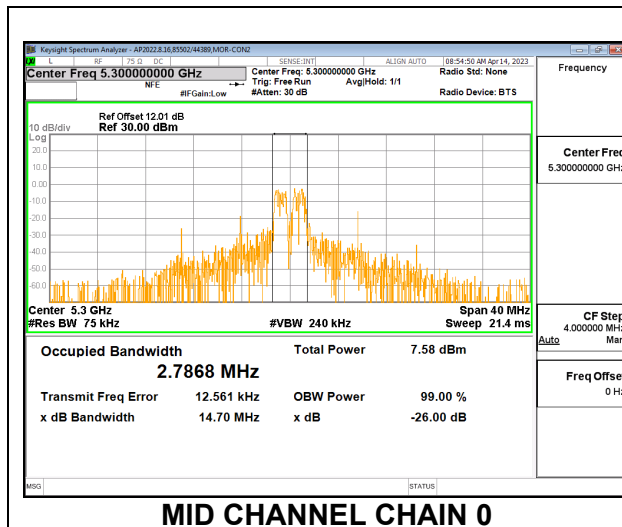


LOW CHANNEL CHAIN 0

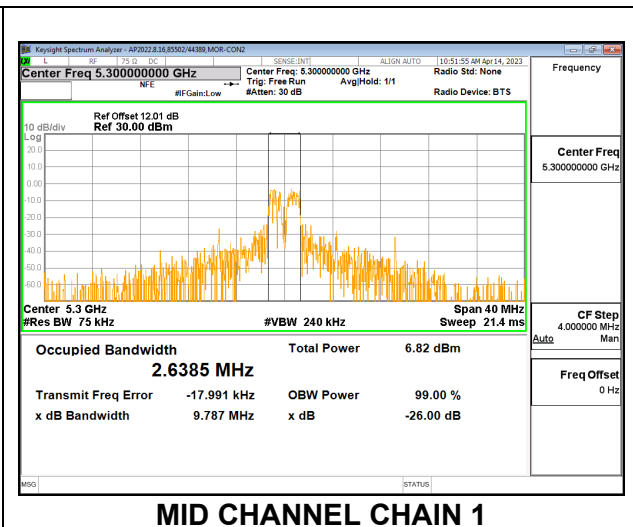


LOW CHANNEL CHAIN 1

MID CHANNEL

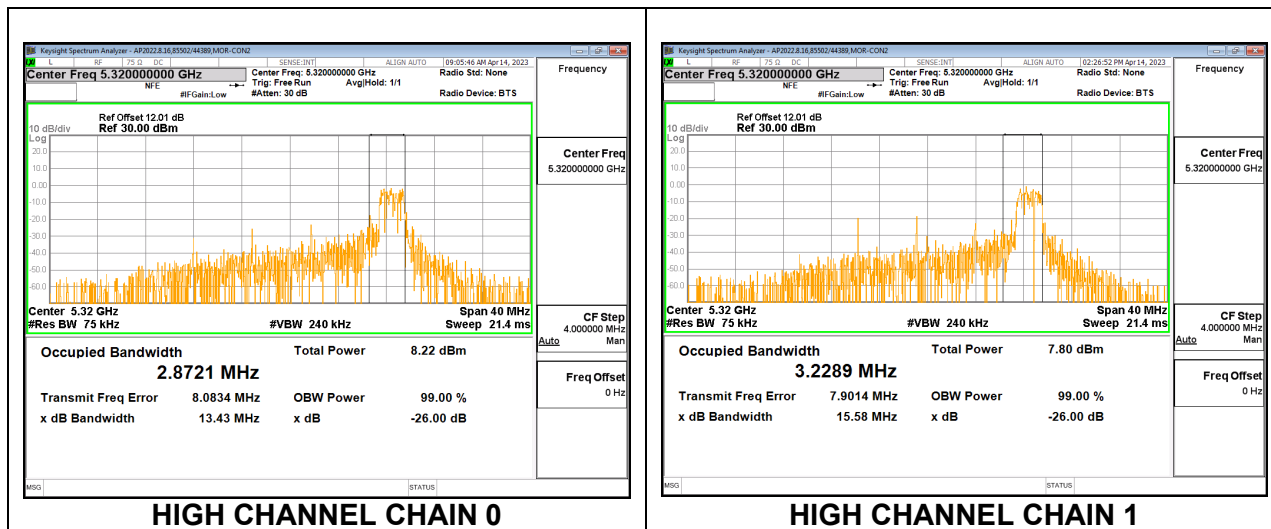


MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1

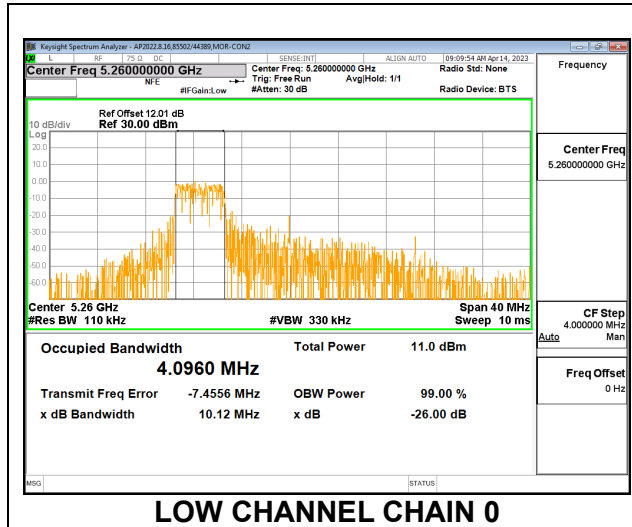
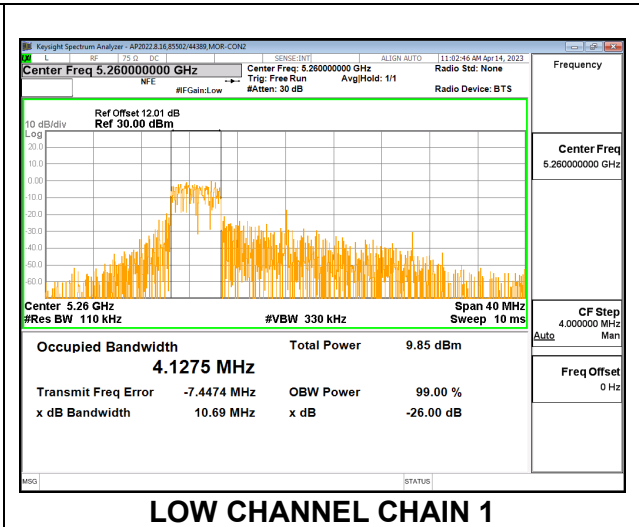
HIGH CHANNEL



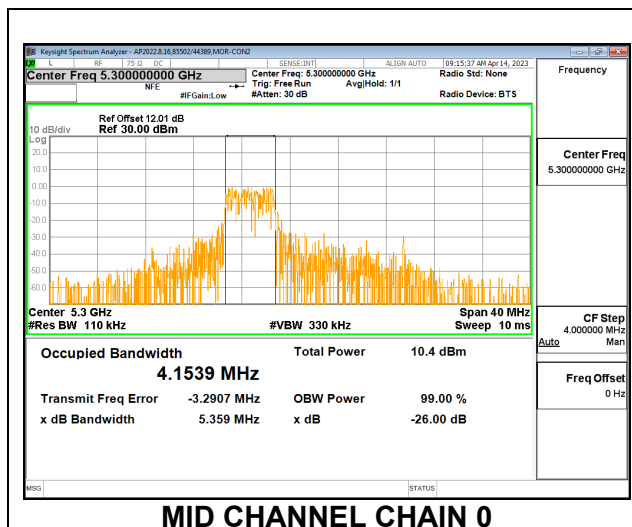
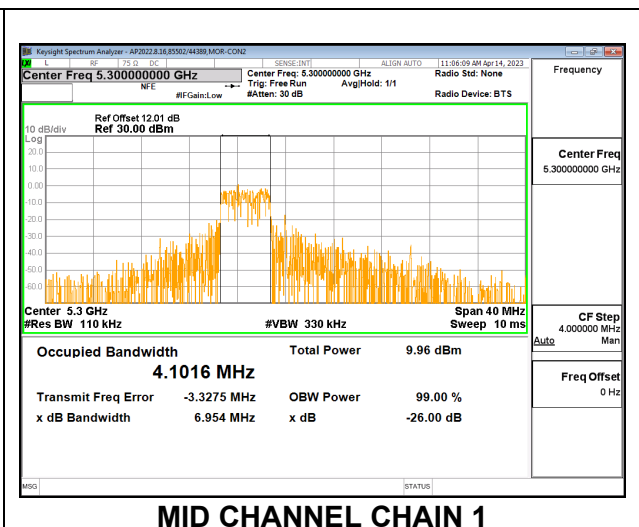
2TX CDD MODE – 52T

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Low	5260	4.0960	4.1275
Mid	5300	4.1539	4.1016
High	5320	4.1656	4.1246

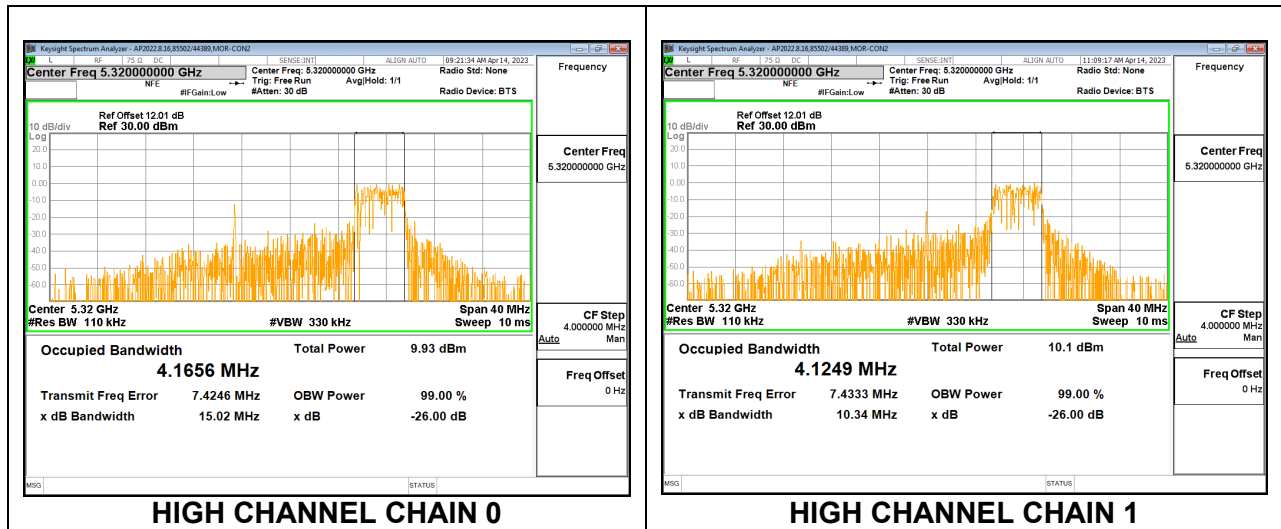
LOW CHANNEL



MID CHANNEL



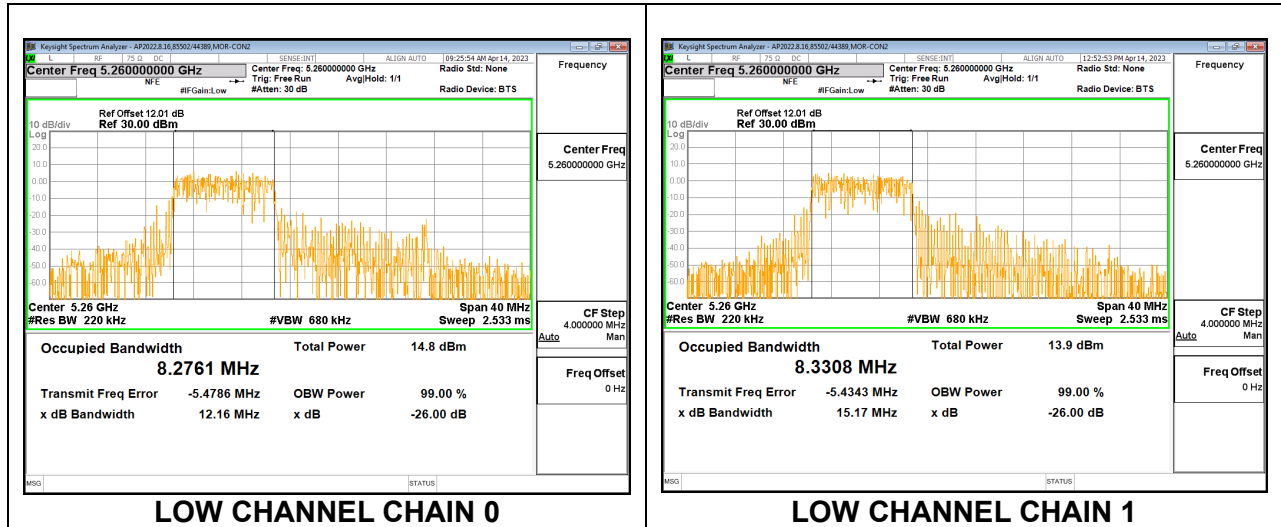
HIGH CHANNEL



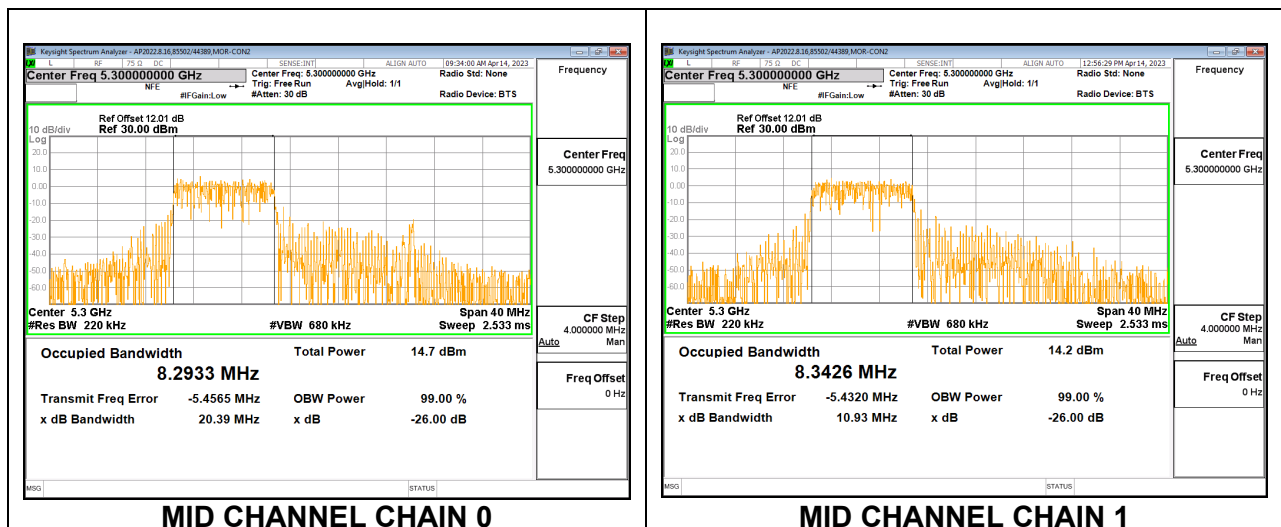
2TX CDD MODE – 106T

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Low	5260	8.2761	8.3308
Mid	5300	8.2933	8.3426
High	5320	8.3040	8.2964

LOW CHANNEL



MID CHANNEL



HIGH CHANNEL

