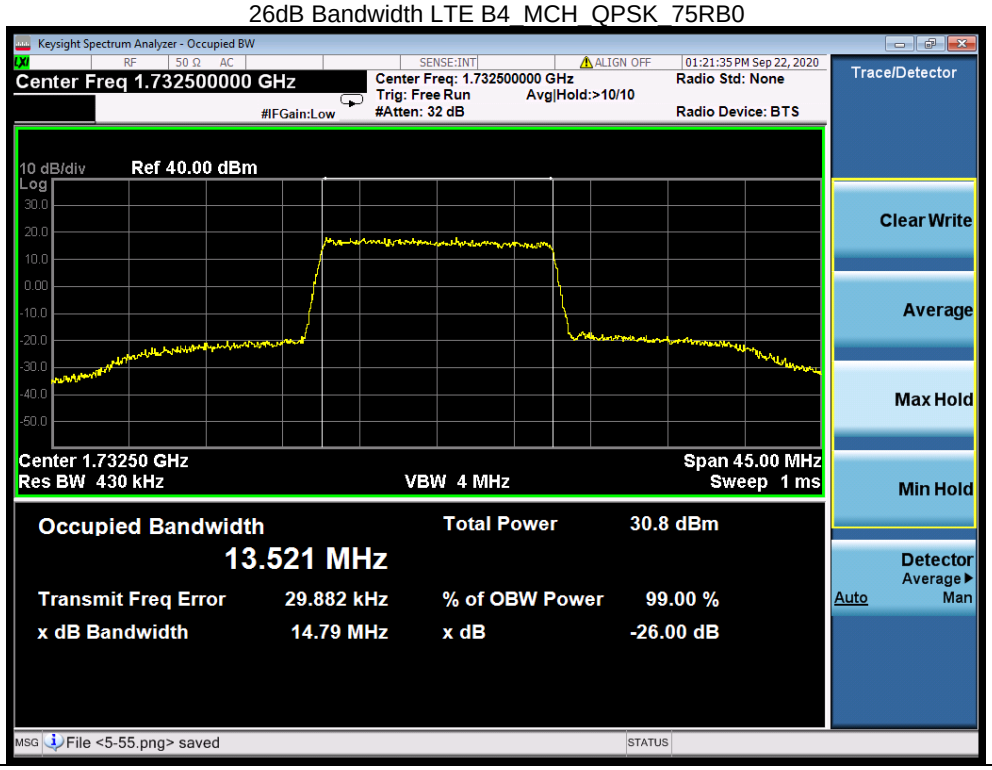
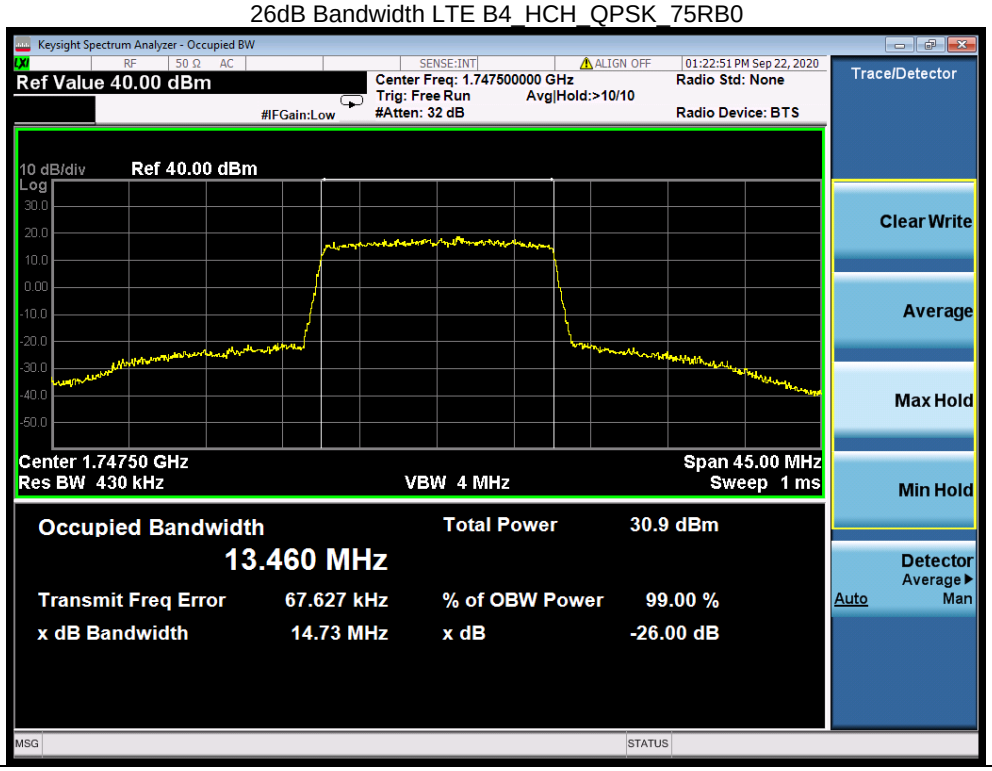
26dB Bandwidth LTE B4_MCH_QPSK_75RB0



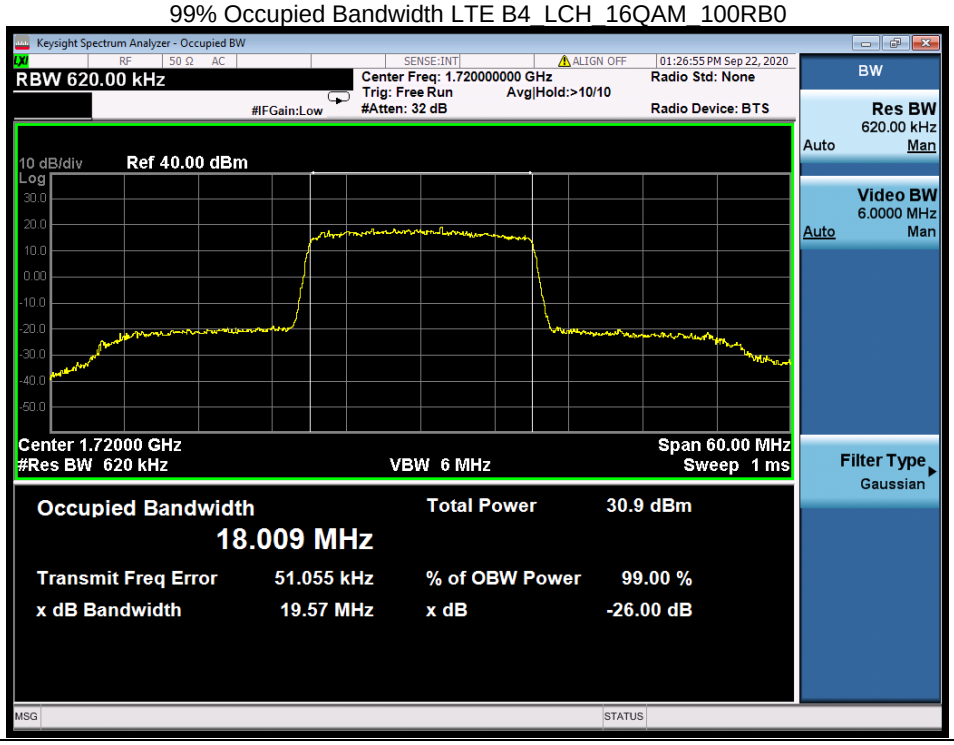
26dB Bandwidth LTE B4_HCH_QPSK_75RB0



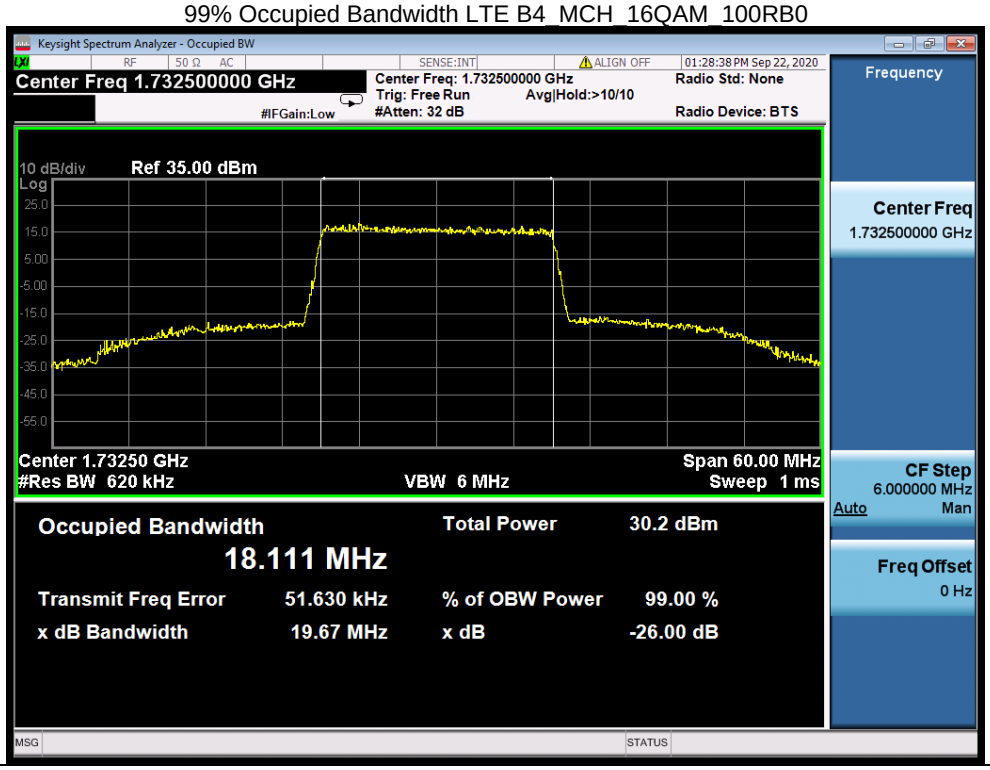
Test Band: 4 _ 20MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
16QAM	100	0	18.009	18.111	18.045	N/A	Pass

QPSK	100	0	18.008	18.199	18.034	N/A	Pass

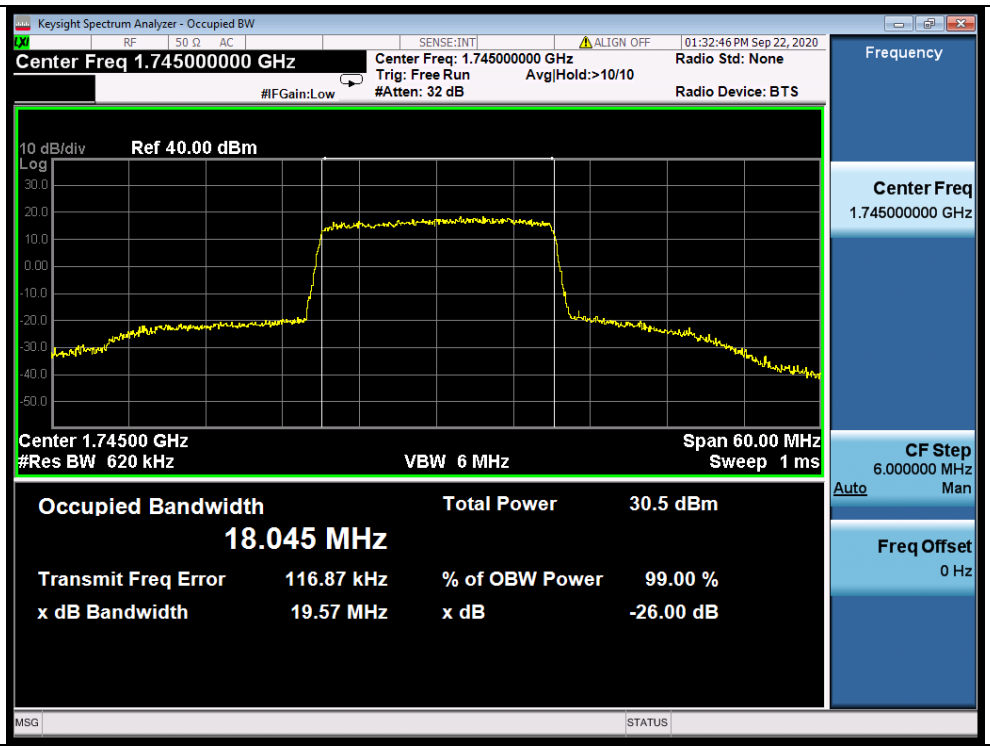
99% Occupied Bandwidth LTE B4_LCH_16QAM_100RB0



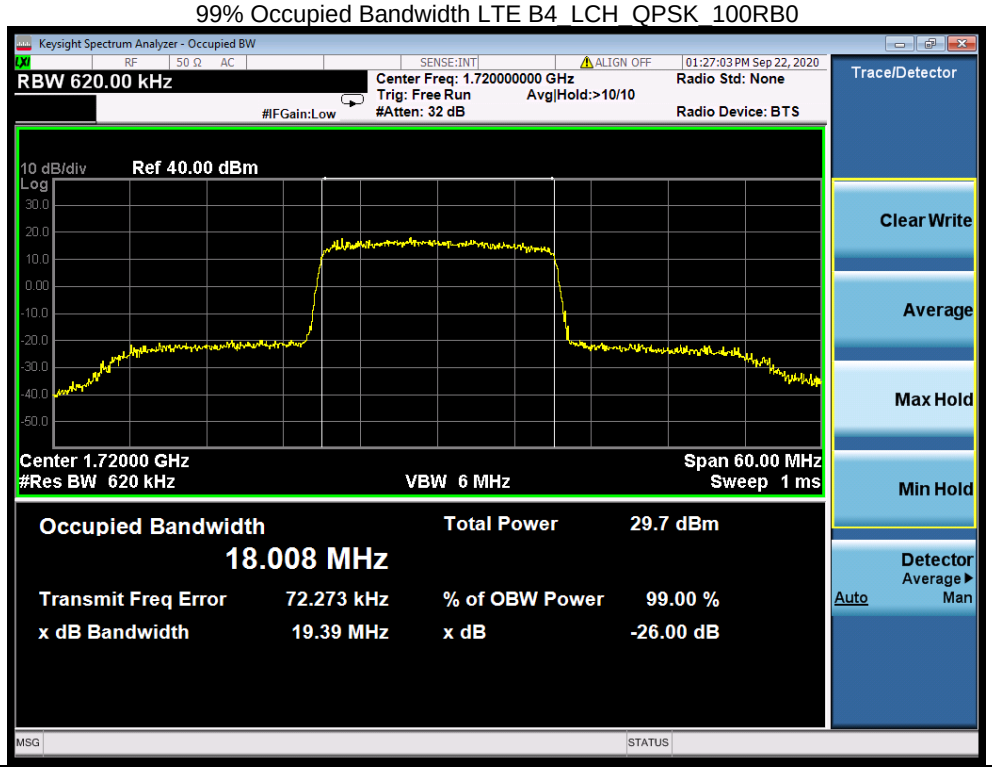
99% Occupied Bandwidth LTE B4_MCH_16QAM_100RB0



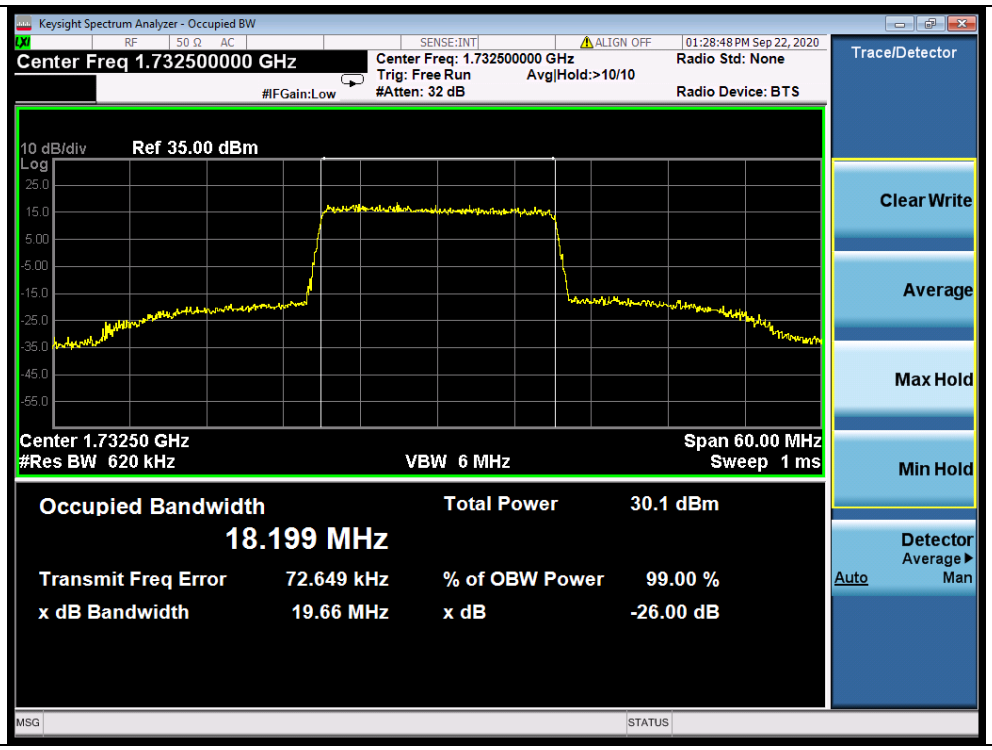
99% Occupied Bandwidth LTE B4_HCH_16QAM_100RB0



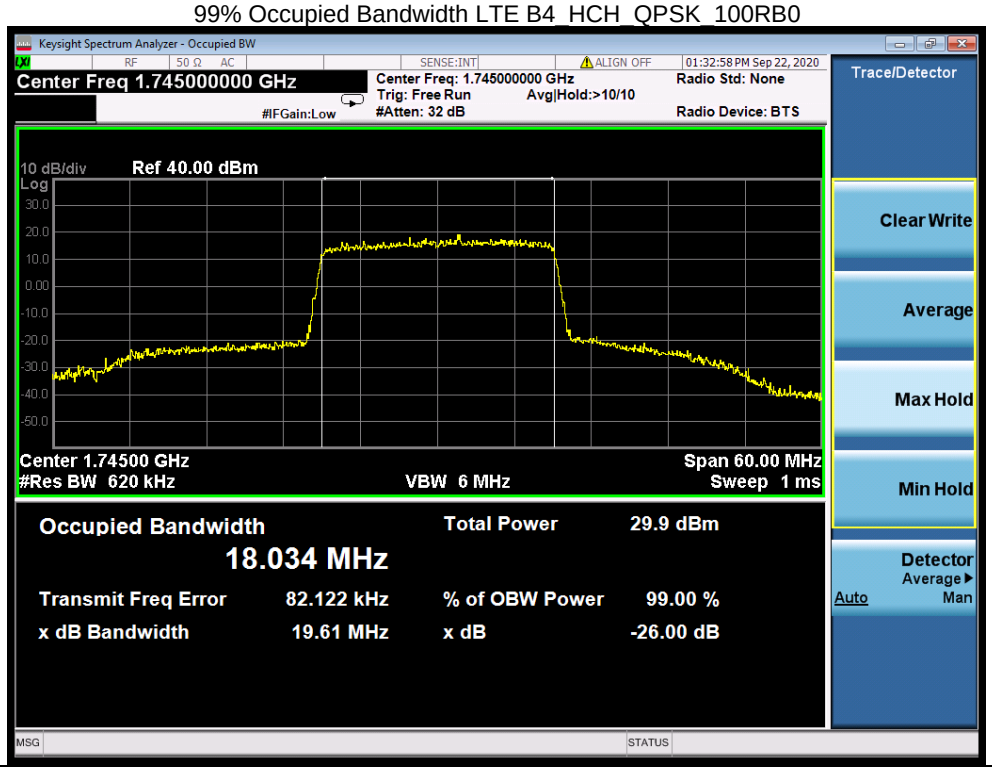
99% Occupied Bandwidth LTE B4_LCH_QPSK_100RB0



99% Occupied Bandwidth LTE B4_MCH_QPSK_100RB0

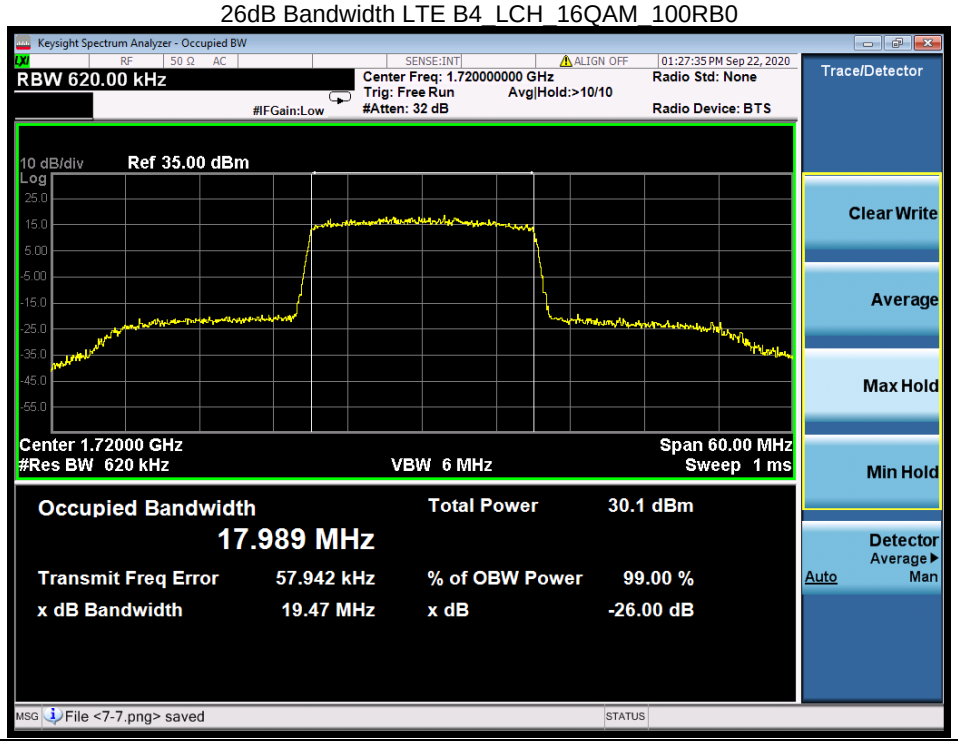


99% Occupied Bandwidth LTE B4_HCH_QPSK_100RB0

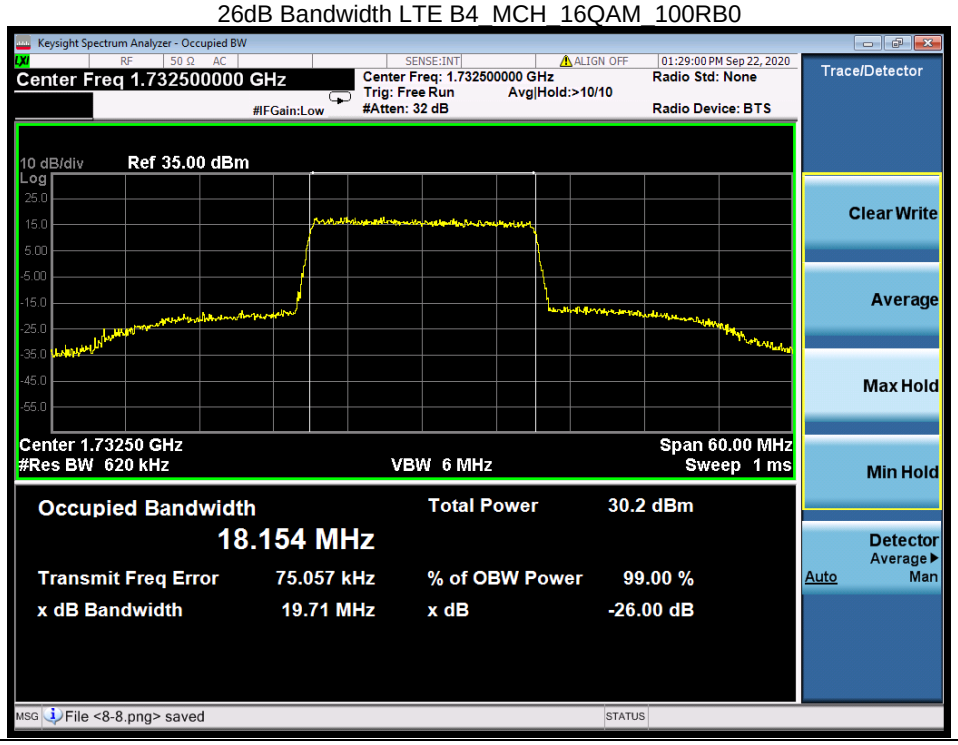


Test Band: 4 _ 20MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
16QAM	100	0	19.47	19.71	19.59	N/A	Pass
QPSK	100	0	19.58	19.65	19.63	N/A	Pass

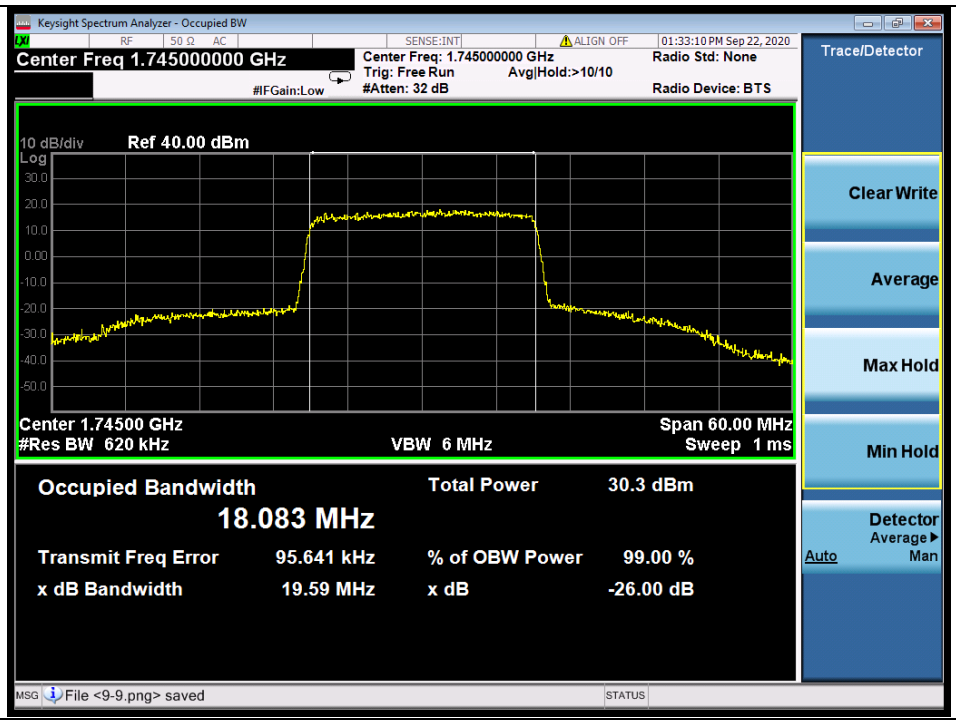
26dB Bandwidth LTE B4_LCH_16QAM_100RB0



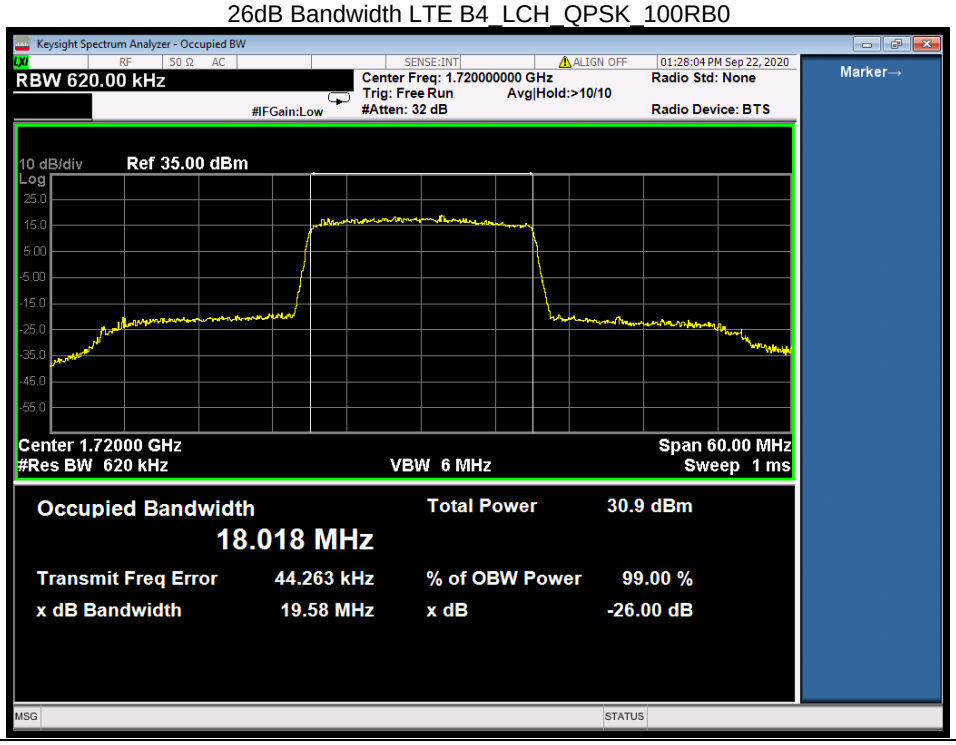
26dB Bandwidth LTE B4_MCH_16QAM_100RB0



26dB Bandwidth LTE B4_HCH_16QAM_100RB0

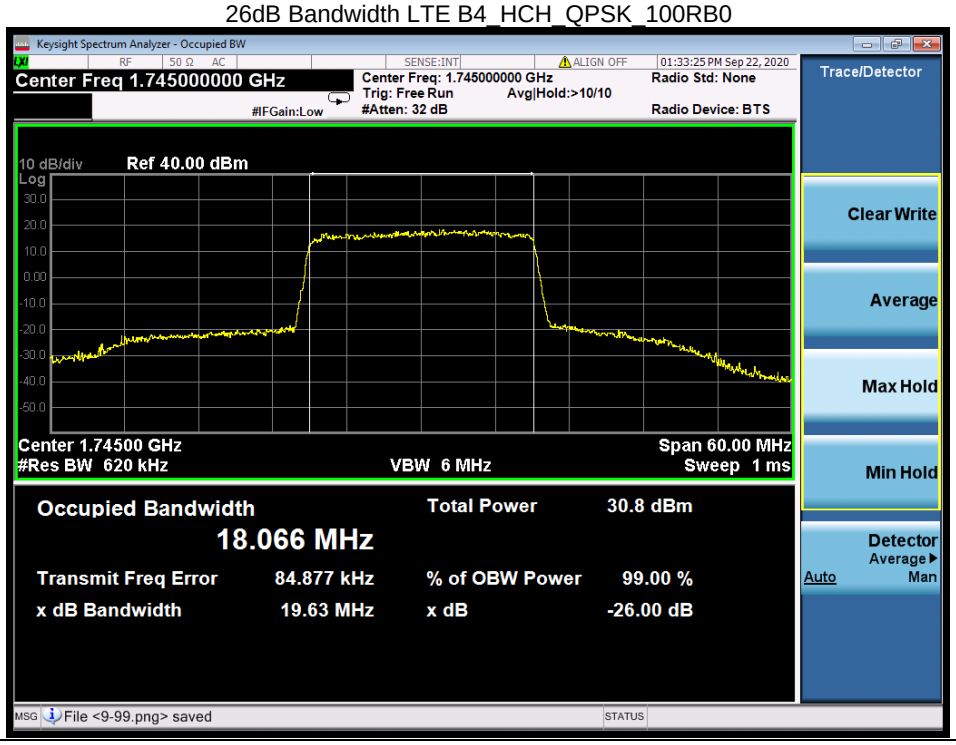


26dB Bandwidth LTE B4_LCH_QPSK_100RB0



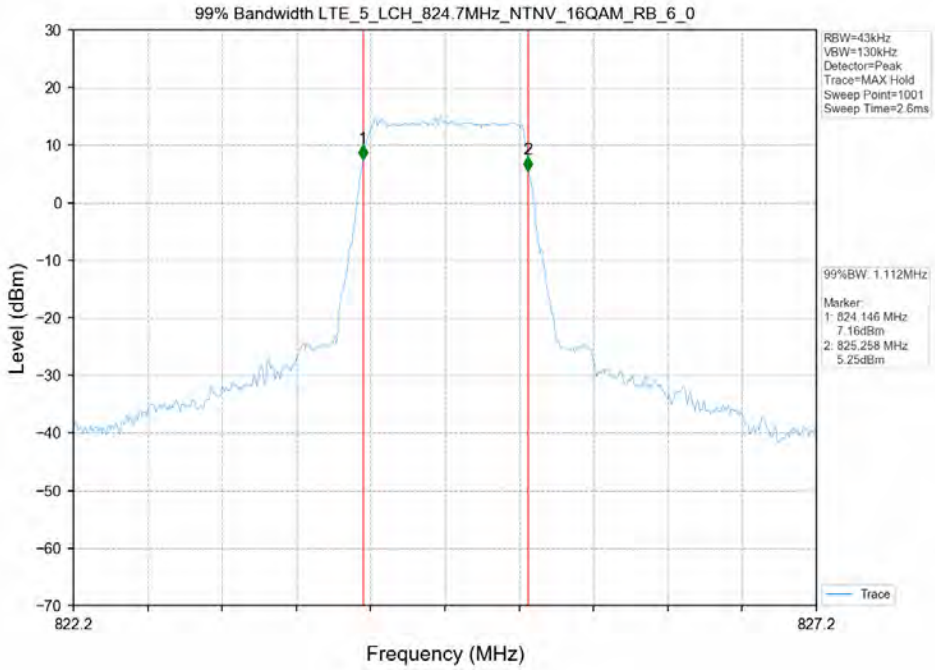
26dB Bandwidth LTE B4_MCH_QPSK_100RB0

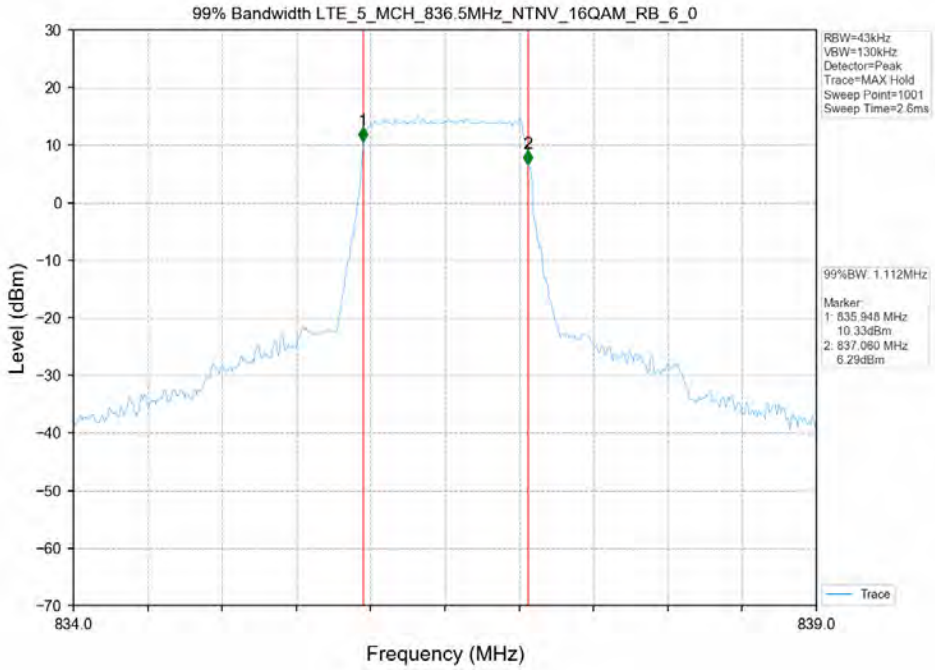
26dB Bandwidth LTE B4_HCH_QPSK_100RB0

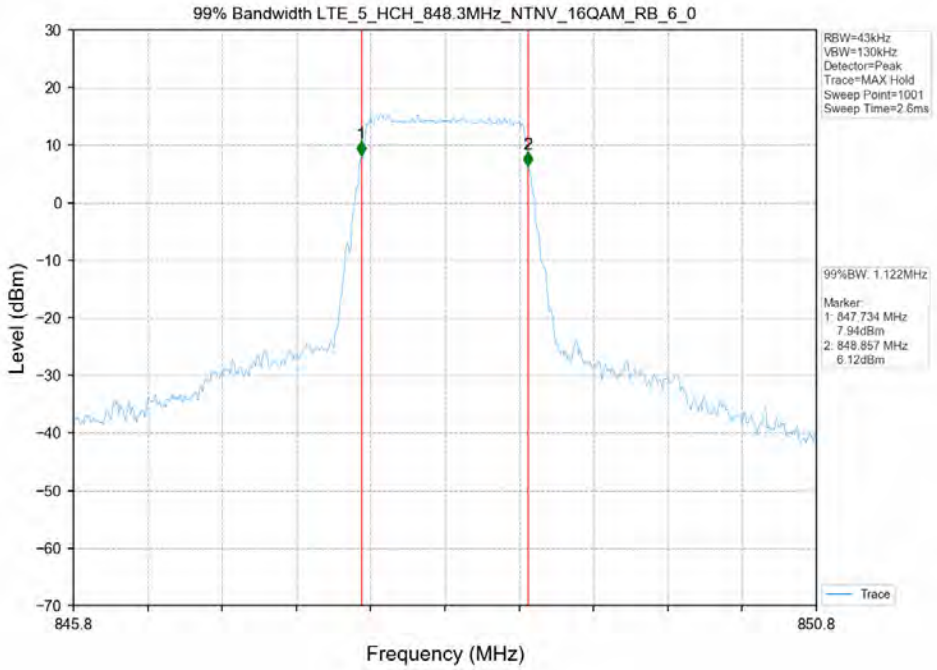


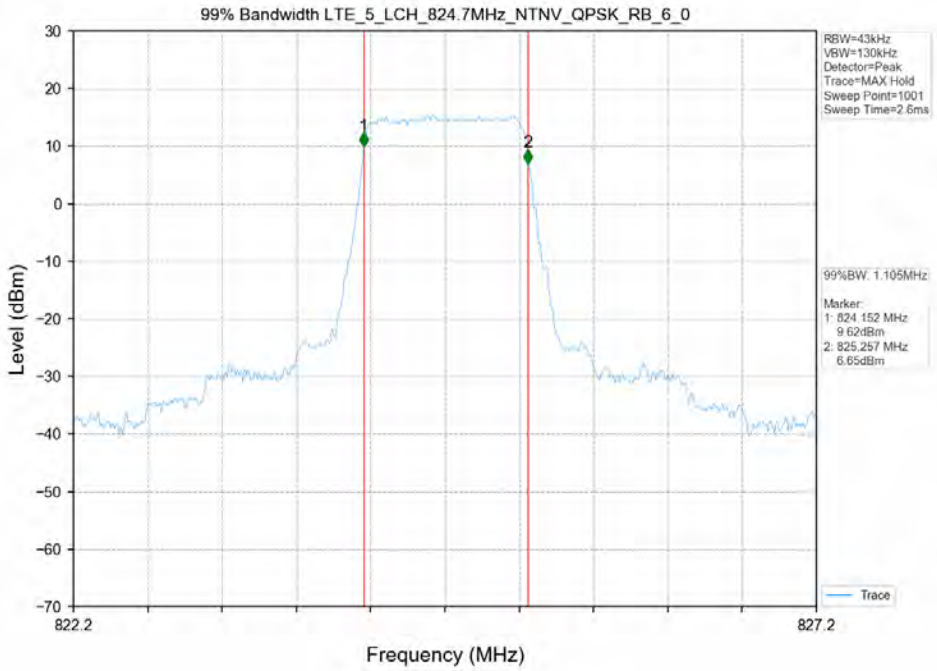
LTE Band 5

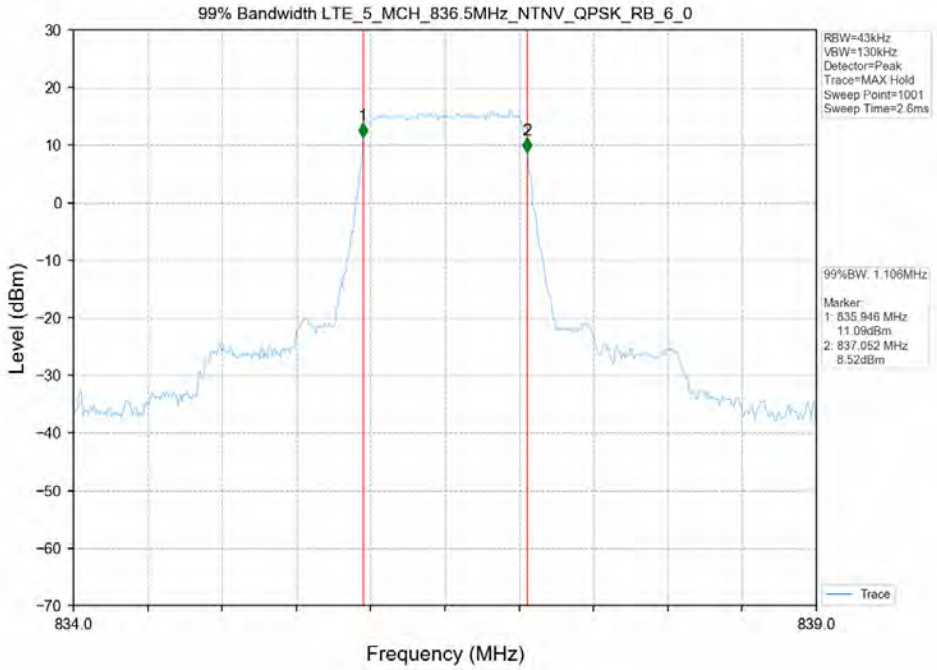
Test Band: 5 _ 1.4MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
16QAM	6	0	1.110	1.110	1.120	N/A	PASS
QPSK	6	0	1.100	1.110	1.110	N/A	PASS

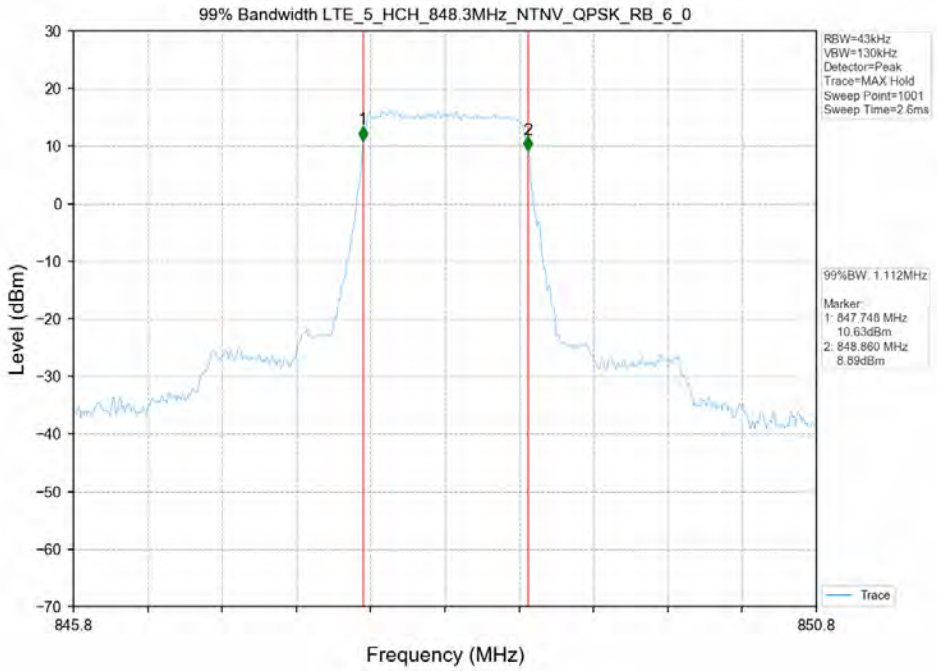




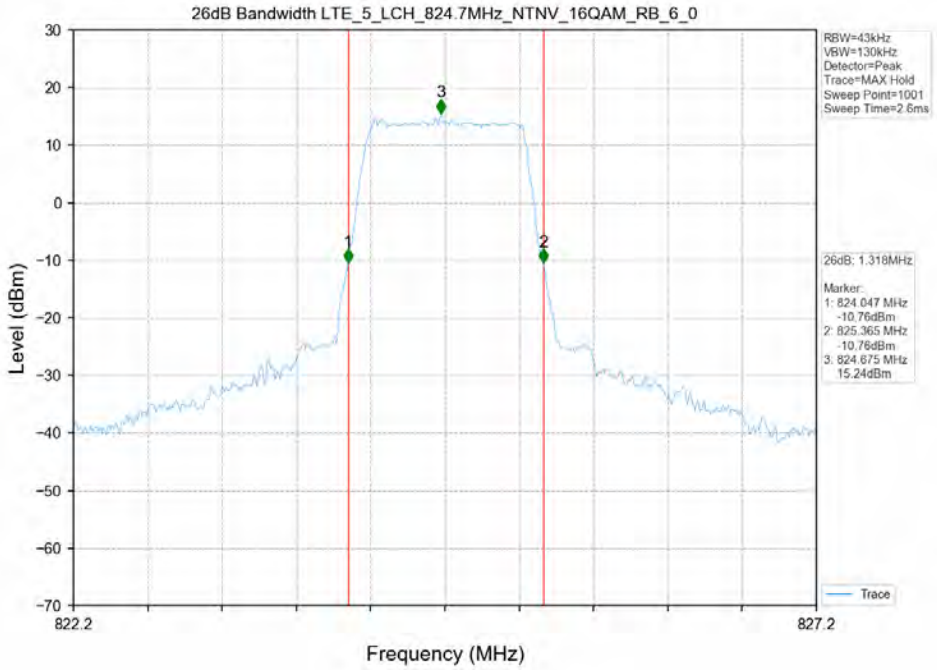

99% Bandwidth LTE_5_HCH_848.3MHz_NTNV_16QAM_RB_6_0
RBW=43kHz
VBW=130kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.6ms
99%BW: 1.122MHz
Marker:
1: 847.734 MHz
7.94dBm
2: 848.857 MHz
6.12dBm
Trace
Level (dBm)
Frequency (MHz)
845.8
850.8

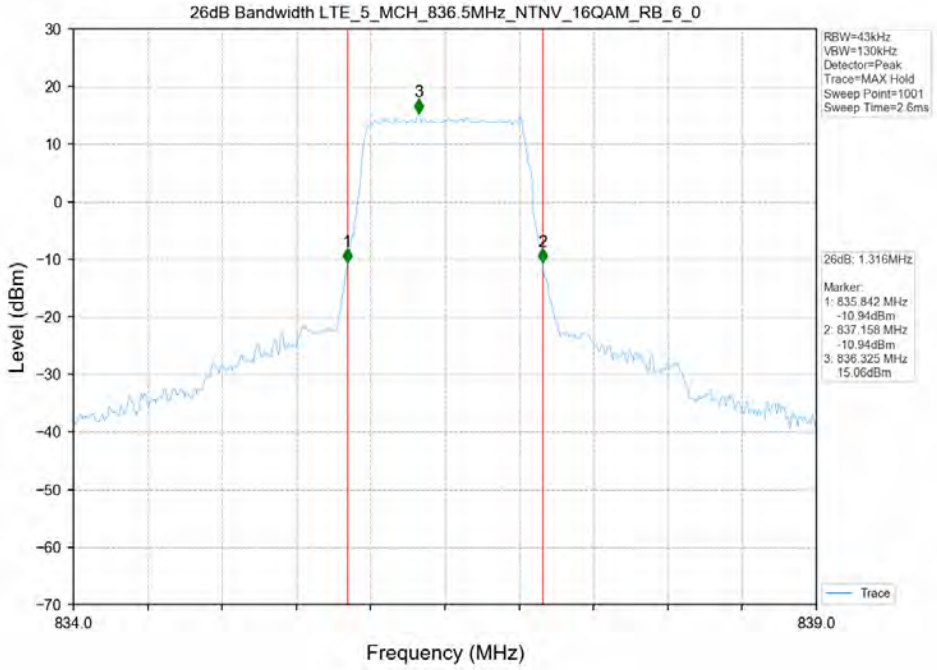

99% Bandwidth LTE_5_LCH_824.7MHz_NTNV_QPSK_RB_6_0
RBW=43kHz
VBW=130kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.6ms
99%BW: 1.105MHz
Marker:
1: 824.152 MHz
9.62dBm
2: 825.257 MHz
6.65dBm
Trace
Level (dBm)
Frequency (MHz)
822.2
827.2

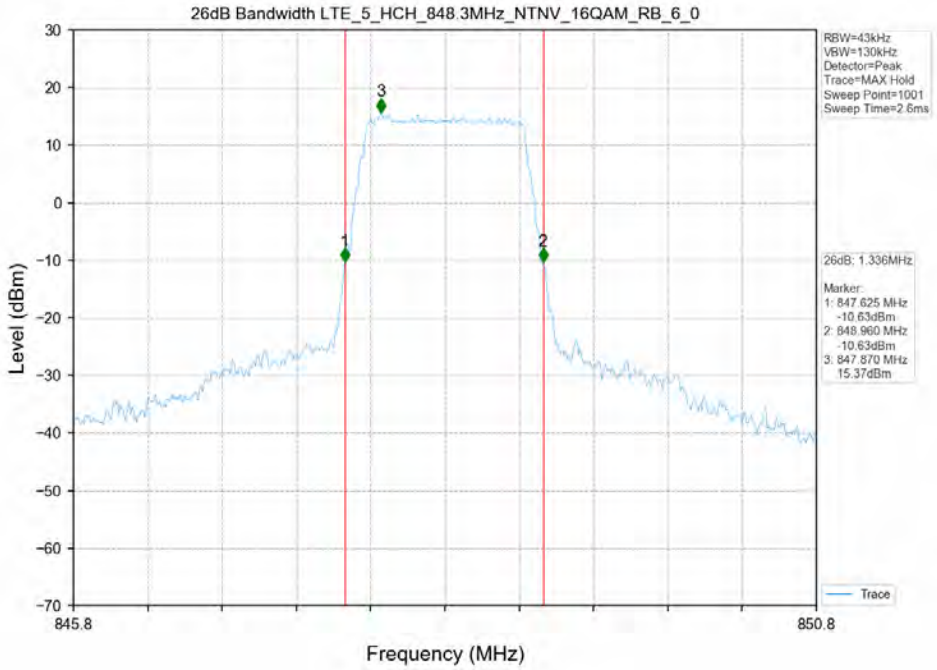


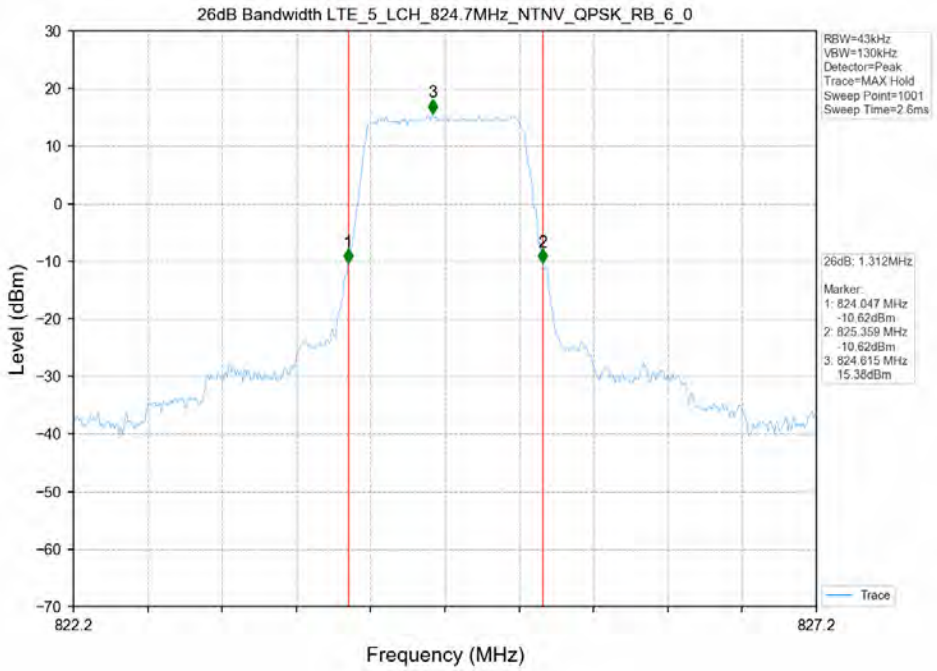


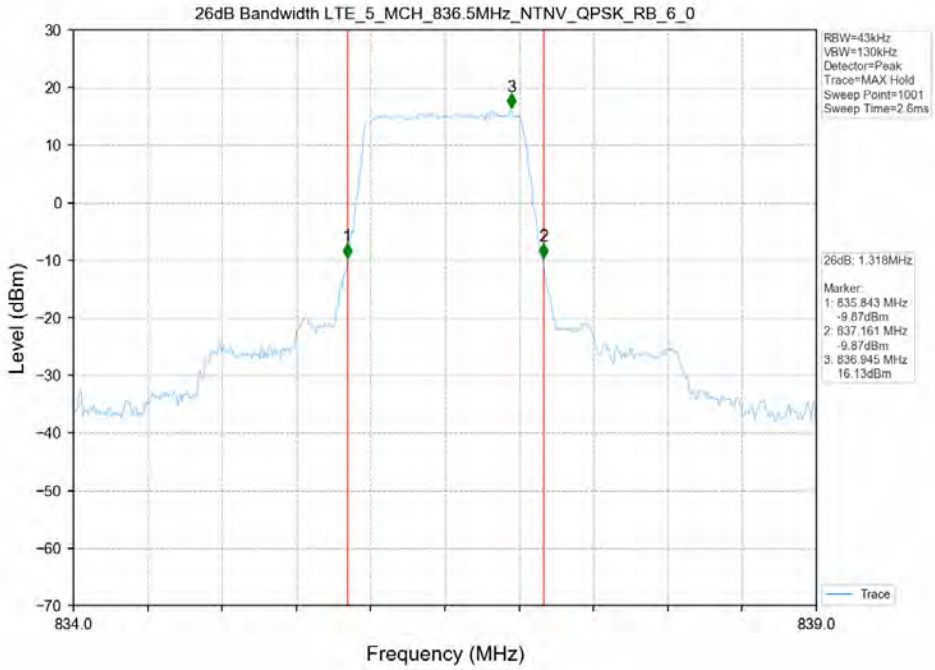
Test Band: 5 _ 1.4MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
16QAM	6	0	1.320	1.320	1.340	N/A	PASS
QPSK	6	0	1.310	1.320	1.310	N/A	PASS

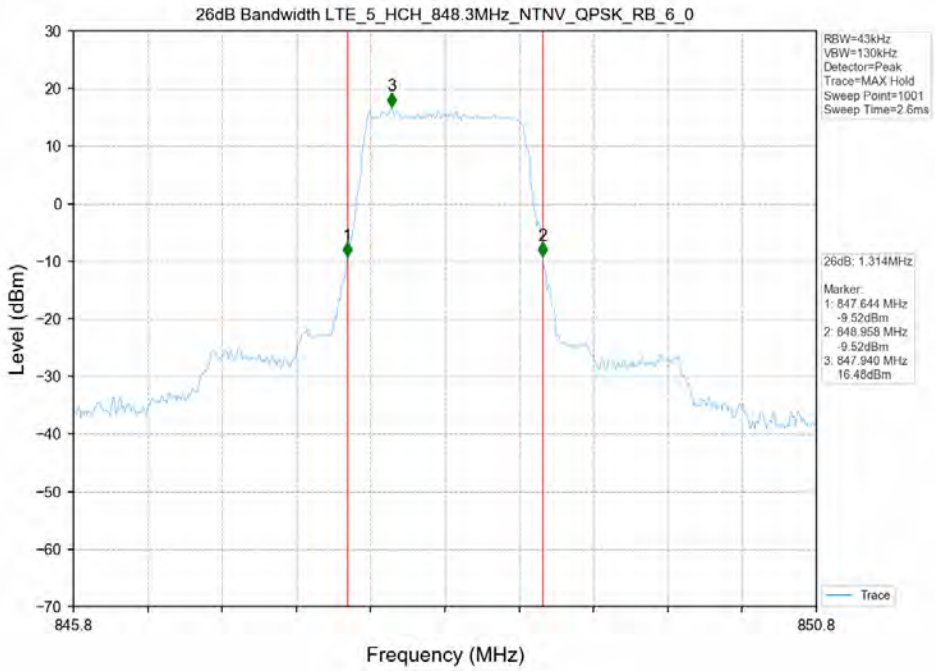

26dB Bandwidth LTE_5_LCH_824.7MHz_NTNV_16QAM_RB_6_0
RBW=43kHz
VBW=130kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.6ms
26dB: 1.318MHz
Marker:
1: 824.047 MHz
-10.76dBm
2: 825.365 MHz
-10.76dBm
3: 824.675 MHz
15.24dBm
Trace
Level (dBm)
Frequency (MHz)
822.2
827.2


26dB Bandwidth LTE_5_MCH_836.5MHz_NTNV_16QAM_RB_6_0
RBW=43kHz
VBW=130kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.6ms
26dB: 1.316MHz
Marker:
1: 835.842 MHz
-10.94dBm
2: 837.158 MHz
-10.94dBm
3: 836.325 MHz
15.06dBm
Trace
Level (dBm)
Frequency (MHz)
834.0
839.0

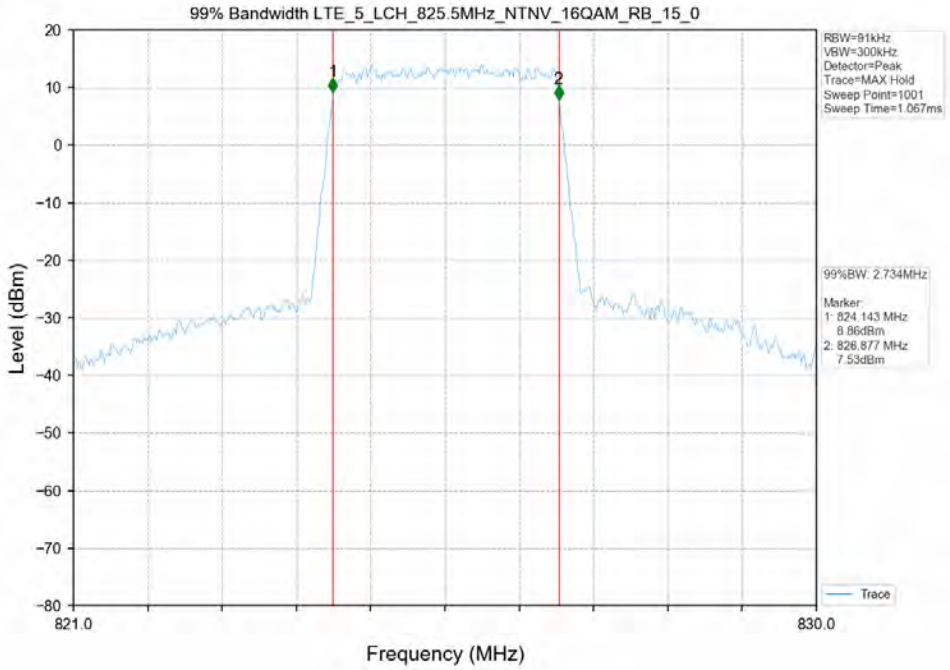

26dB Bandwidth LTE_5_HCH_848.3MHz_NTNV_16QAM_RB_6_0
RBW=43kHz
VBW=130kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.6ms
26dB: 1.336MHz
Marker:
1: 847.625 MHz
-10.63dBm
2: 848.960 MHz
-10.63dBm
3: 847.870 MHz
15.37dBm
Trace
Level (dBm)
Frequency (MHz)
845.8
850.8

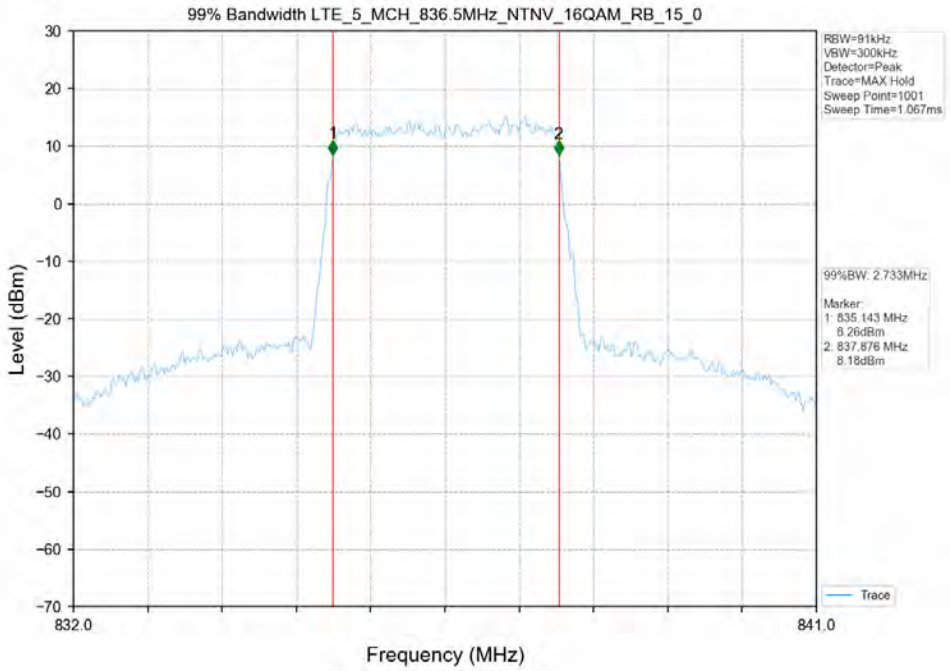

26dB Bandwidth LTE_5_LCH_824.7MHz_NTNV_QPSK_RB_6_0
RBW=43kHz
VBW=130kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.6ms
26dB: 1.312MHz
Marker:
1: 824.047 MHz
-10.62dBm
2: 825.359 MHz
-10.62dBm
3: 824.615 MHz
15.38dBm
Trace
Level (dBm)
Frequency (MHz)
822.2
827.2

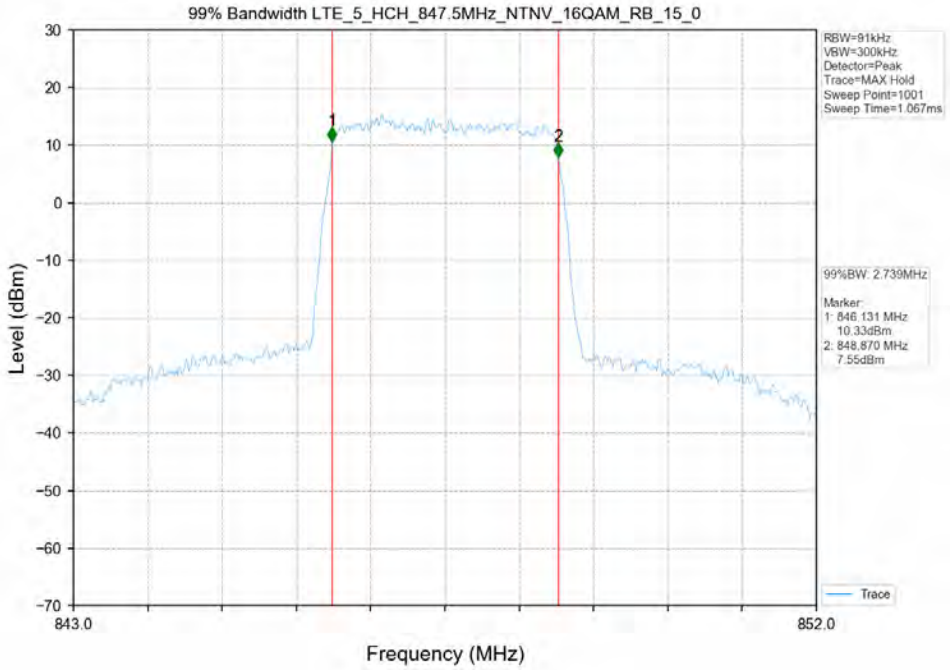


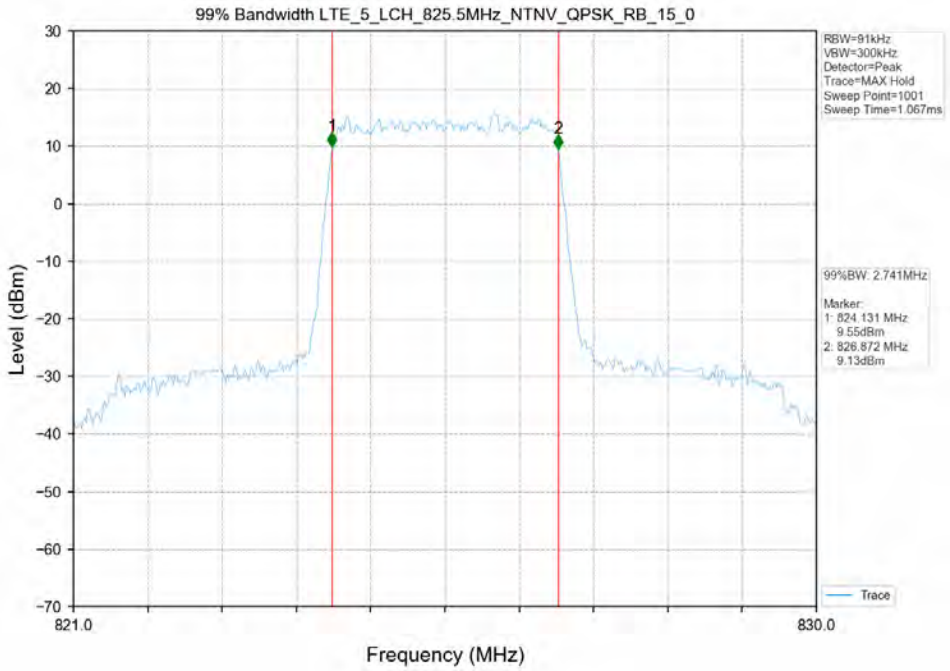


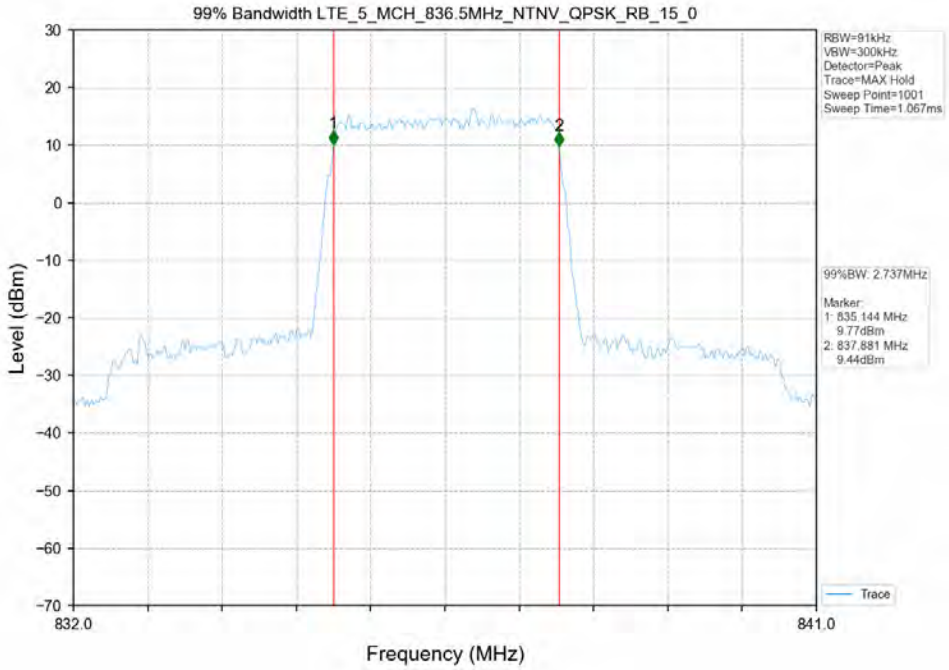
Test Band: 5 _ 3MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
16QAM	15	0	2.730	2.730	2.740	N/A	PASS
QPSK	15	0	2.740	2.740	2.730	N/A	PASS

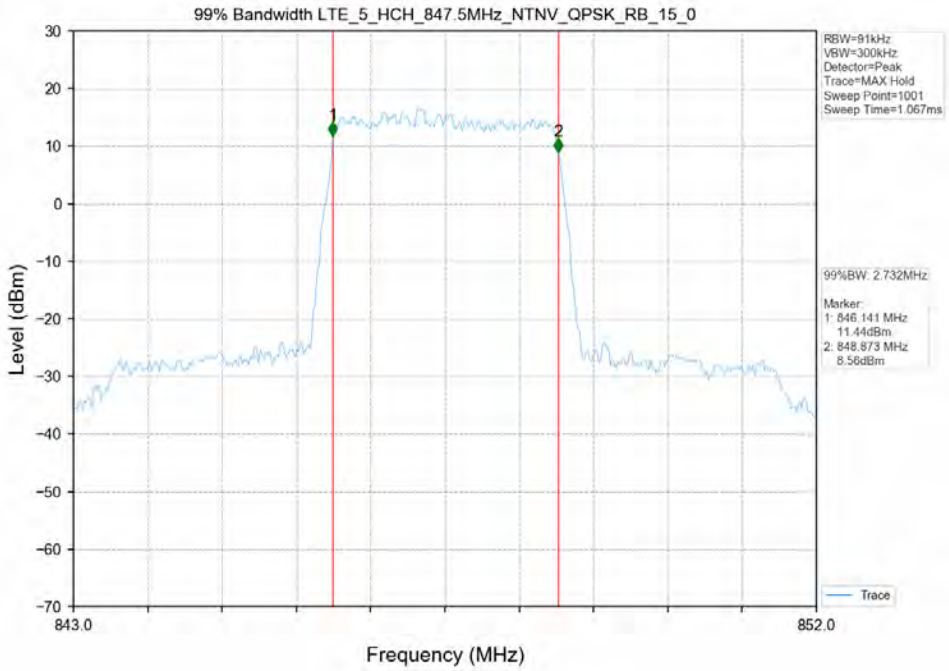

99% Bandwidth LTE_5_LCH_825.5MHz_NTNV_16QAM_RB_15_0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
99%BW: 2.734MHz
Marker:
1: 824.143 MHz
8.86dBm
2: 826.877 MHz
7.53dBm
Trace
Level (dBm)
Frequency (MHz)
821.0
830.0


99% Bandwidth LTE_5_MCH_836.5MHz_NTNV_16QAM_RB_15_0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
99%BW: 2.733MHz
Marker:
1: 835.143 MHz
8.26dBm
2: 837.876 MHz
8.18dBm
Trace
Level (dBm)
Frequency (MHz)
832.0
841.0

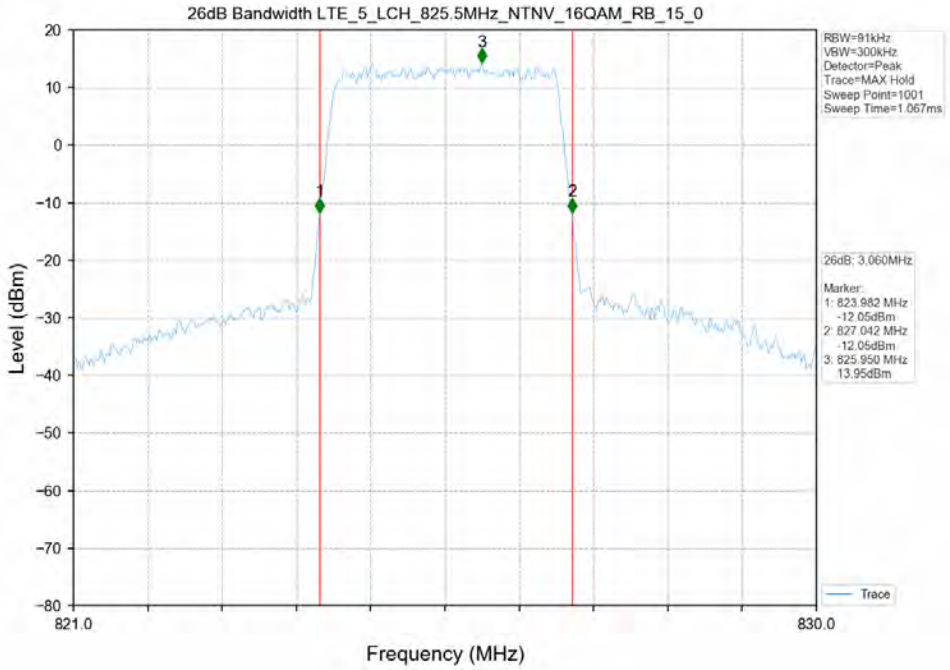

99% Bandwidth LTE_5_HCH_847.5MHz_NTNV_16QAM_RB_15_0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
99%BW: 2.739MHz
Marker:
1: 846.131 MHz
10.33dBm
2: 848.870 MHz
7.55dBm
Trace
Level (dBm)
Frequency (MHz)
843.0
852.0

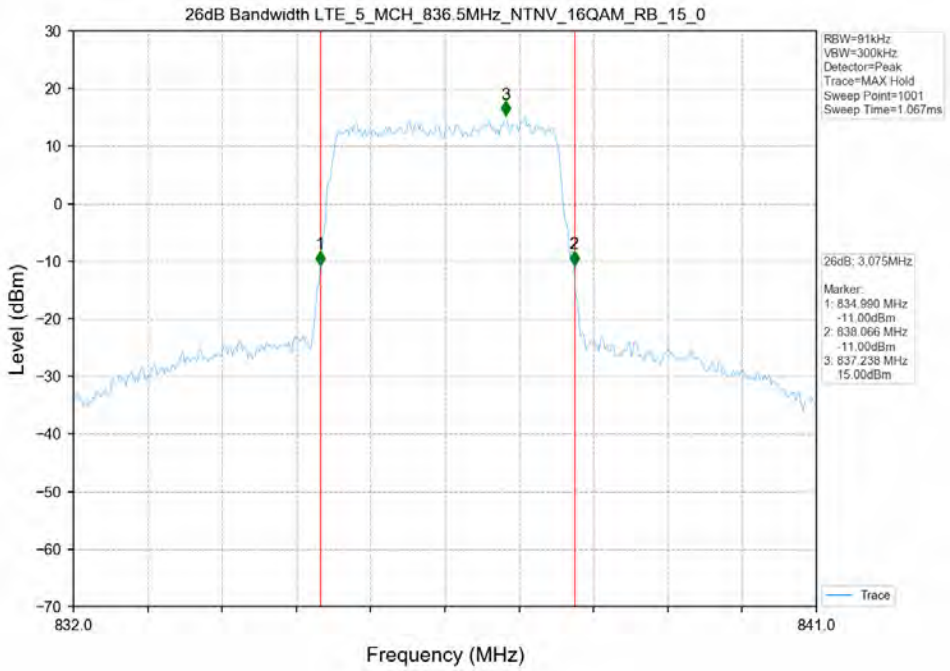

99% Bandwidth LTE_5_LCH_825.5MHz_NTNV_QPSK_RB_15_0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
99%BW: 2.741MHz
Marker:
1: 824.131 MHz
9.55dBm
2: 826.872 MHz
9.13dBm
Trace
Level (dBm)
Frequency (MHz)
821.0
830.0

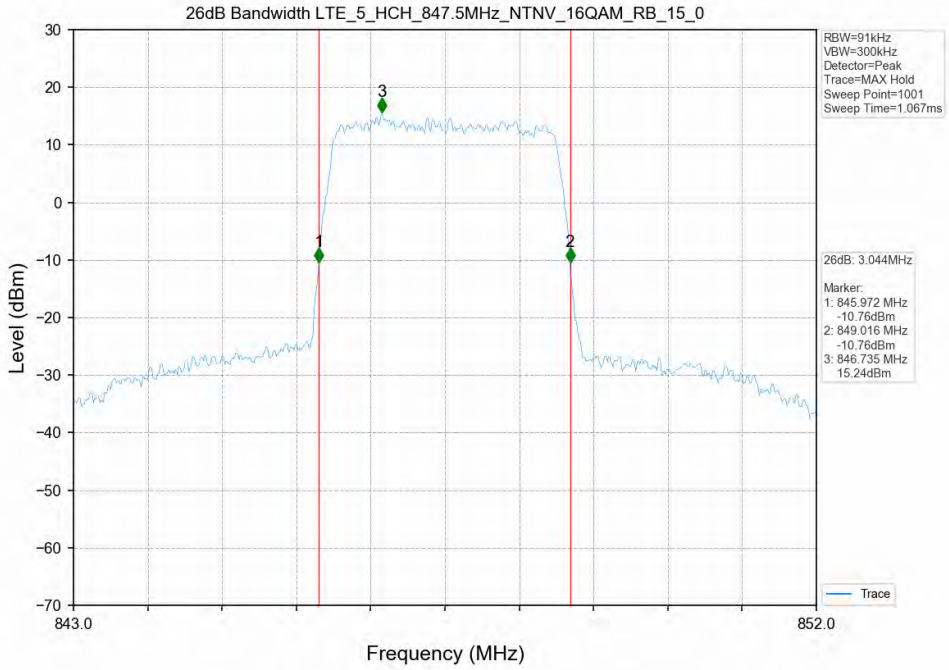


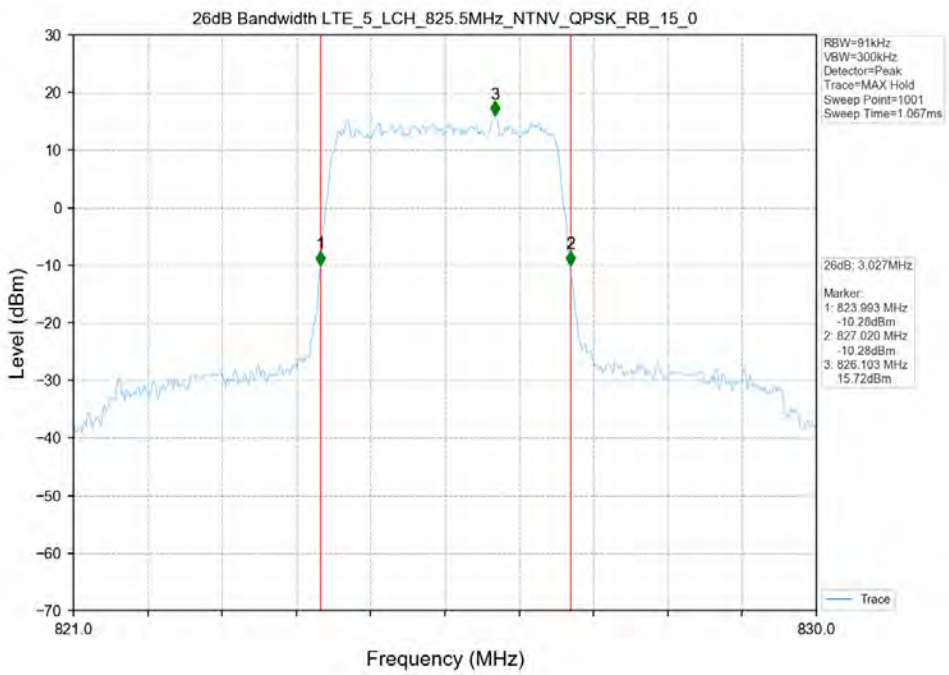


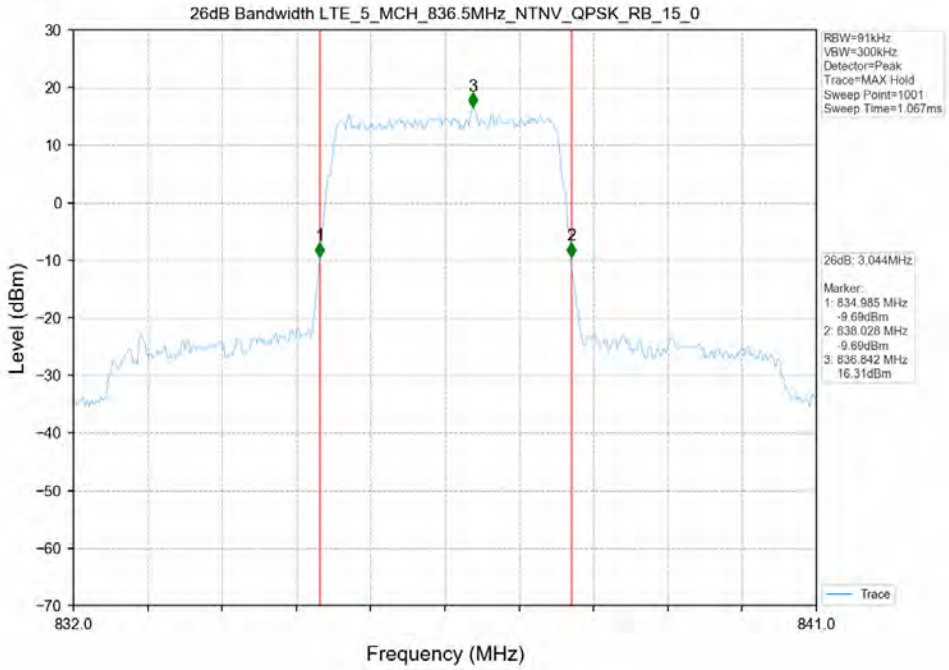
Test Band: 5 _ 3MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
16QAM	15	0	3.060	3.080	3.040	N/A	PASS
QPSK	15	0	3.030	3.040	3.040	N/A	PASS

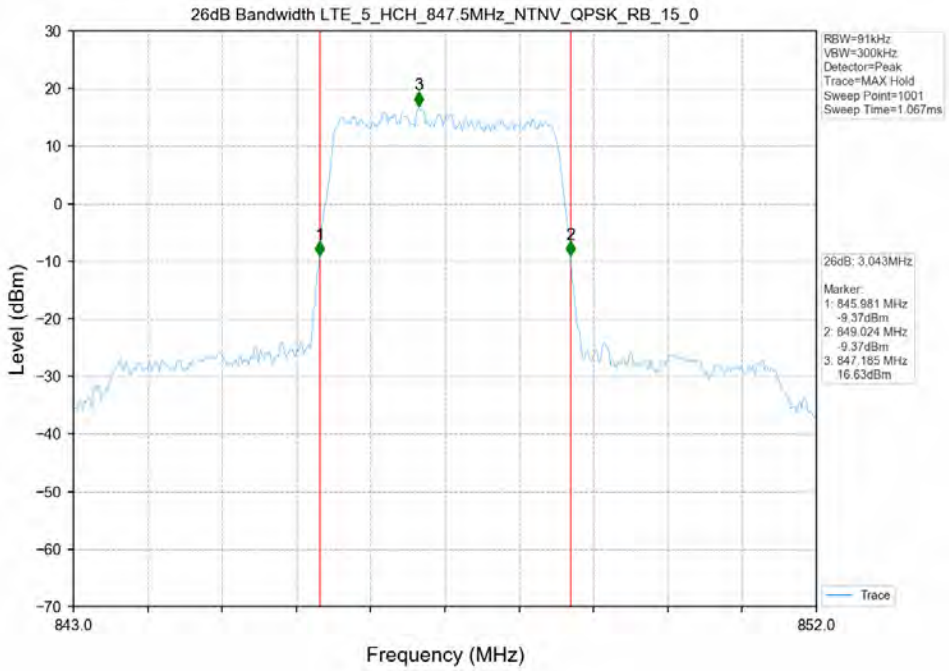

26dB Bandwidth LTE_5_LCH_825.5MHz_NTNV_16QAM_RB_15_0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
26dB: 3.060MHz
Marker:
1: 823.982 MHz
-12.05dBm
2: 827.042 MHz
-12.05dBm
3: 825.950 MHz
13.95dBm
Trace
Level (dBm)
Frequency (MHz)
821.0
830.0


26dB Bandwidth LTE_5_MCH_836.5MHz_NTNV_16QAM_RB_15_0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
26dB: 3.075MHz
Marker:
1: 834.990 MHz
-11.00dBm
2: 838.066 MHz
-11.00dBm
3: 837.238 MHz
15.00dBm
Trace
Level (dBm)
Frequency (MHz)
832.0
841.0

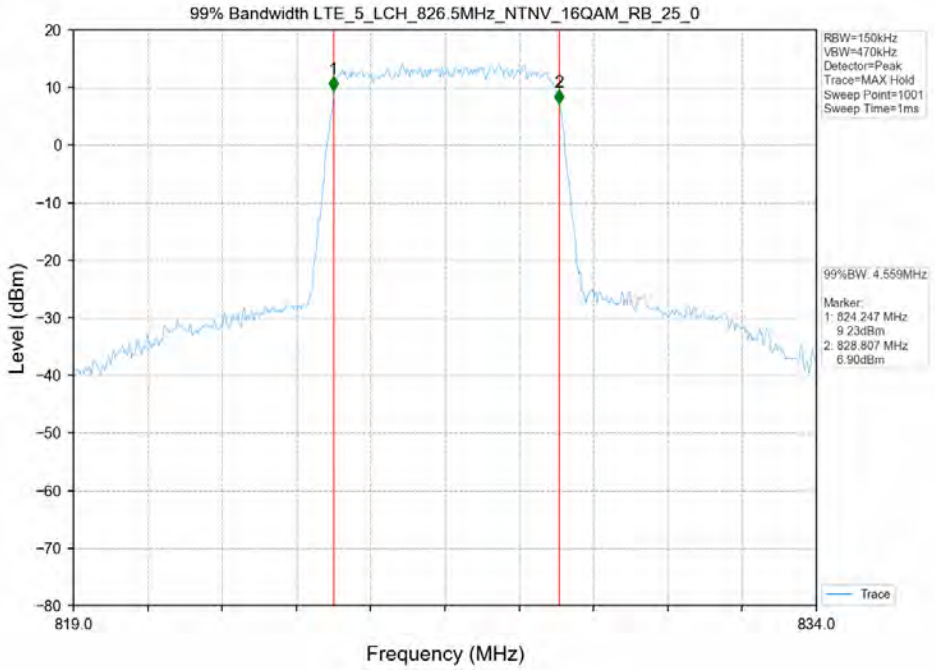

26dB Bandwidth LTE_5_HCH_847.5MHz_NTNV_16QAM_RB_15_0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
26dB: 3.044MHz
Marker:
1: 845.972 MHz
-10.76dBm
2: 849.016 MHz
-10.76dBm
3: 846.735 MHz
15.24dBm
Trace
Level (dBm)
Frequency (MHz)
843.0
852.0

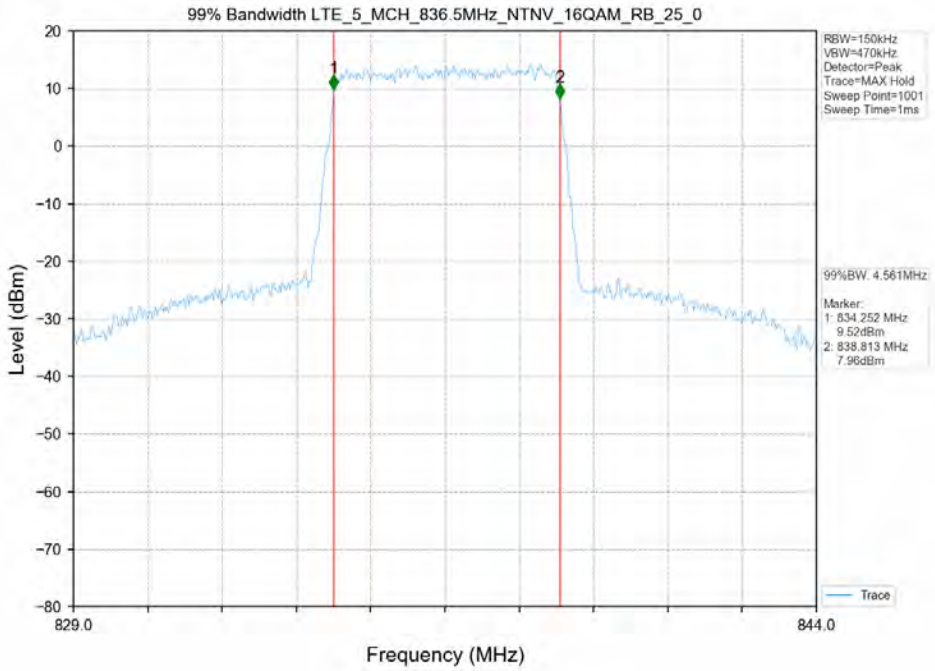

26dB Bandwidth LTE_5_LCH_825.5MHz_NTNV_QPSK_RB_15_0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
26dB: 3.027MHz
Marker:
1: 823.993 MHz
-10.28dBm
2: 827.020 MHz
-10.28dBm
3: 826.103 MHz
15.72dBm
Trace
Level (dBm)
Frequency (MHz)
821.0
830.0

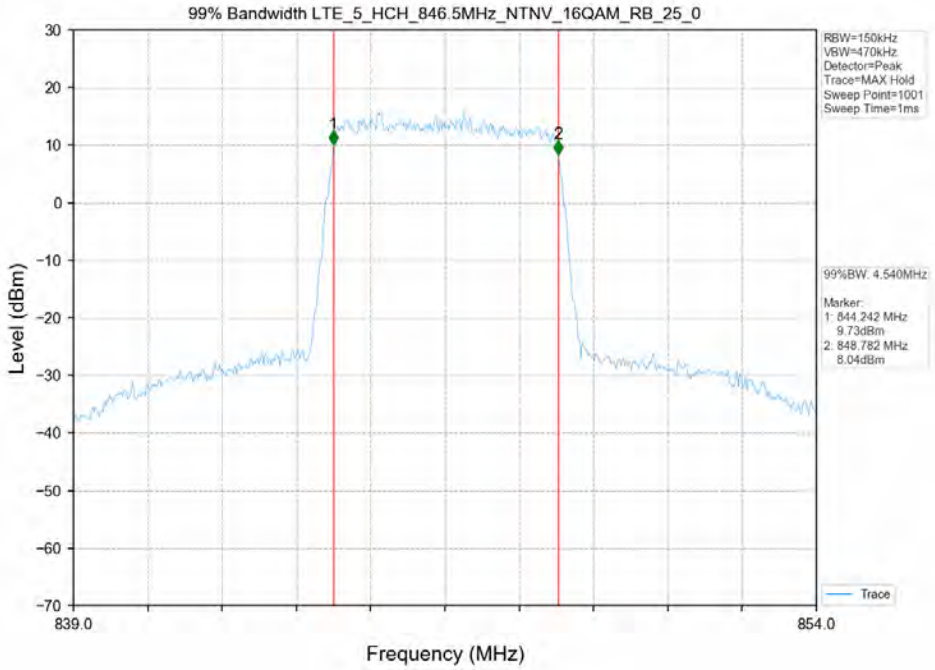


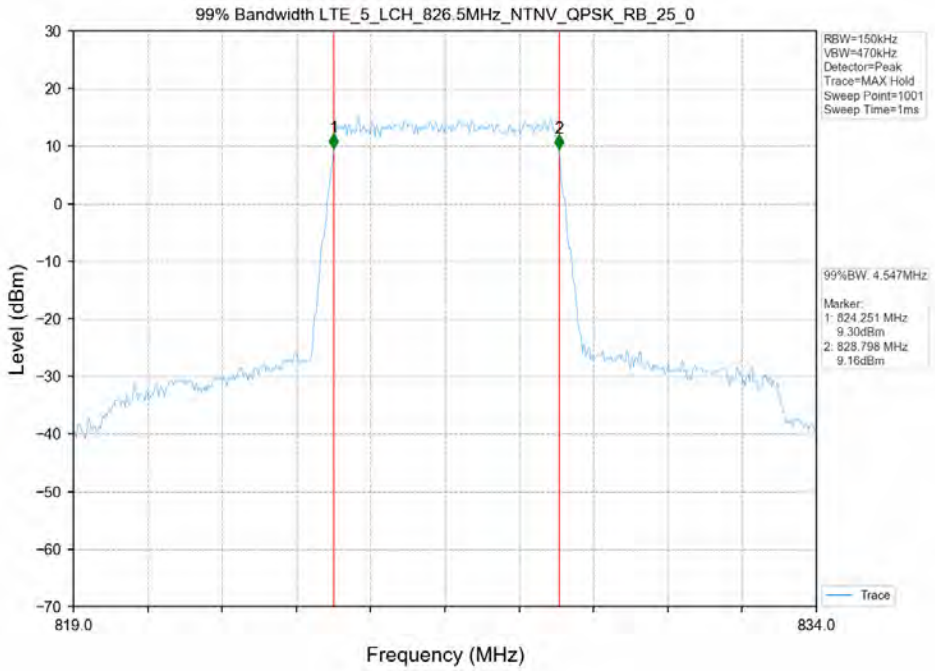


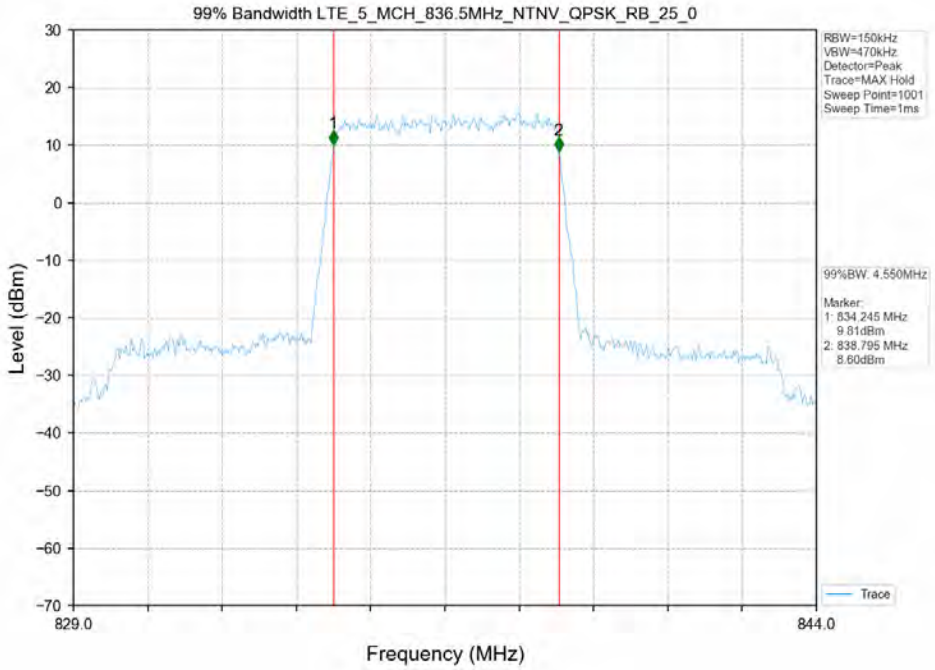
Test Band: 5 _ 5MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
16QAM	25	0	4.560	4.560	4.540	N/A	PASS
QPSK	25	0	4.550	4.550	4.550	N/A	PASS

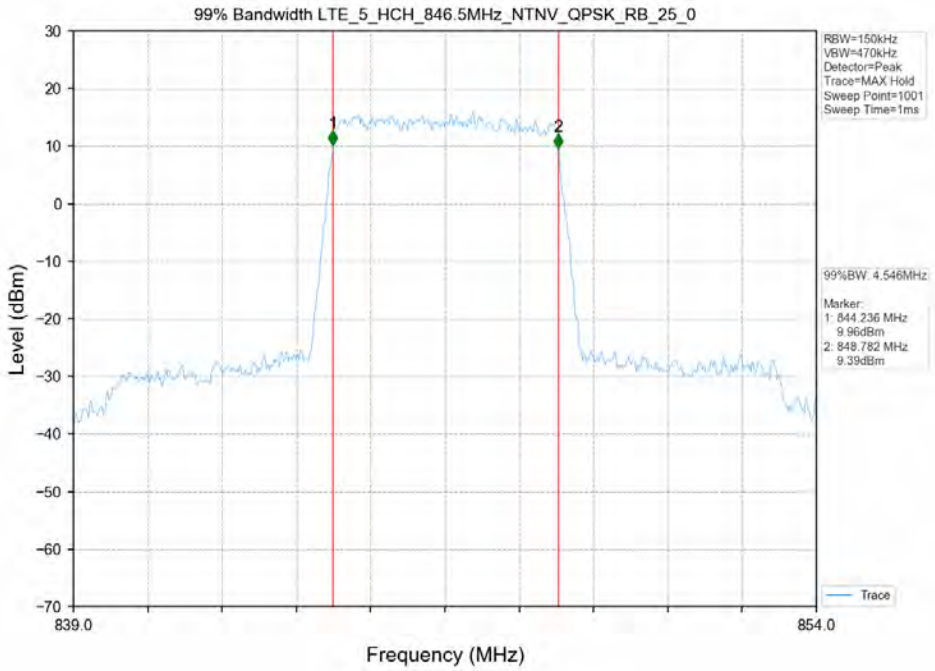

99% Bandwidth LTE_5_LCH_826.5MHz_NTNV_16QAM_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW. 4.559MHz
Marker:
1: 824.247 MHz
9.23dBm
2: 828.807 MHz
6.90dBm
Trace
Level (dBm)
Frequency (MHz)
819.0
834.0


99% Bandwidth LTE_5_MCH_836.5MHz_NTNV_16QAM_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW. 4.561MHz
Marker:
1: 834.252 MHz
9.52dBm
2: 838.813 MHz
7.96dBm
Trace
Level (dBm)
Frequency (MHz)
829.0
844.0

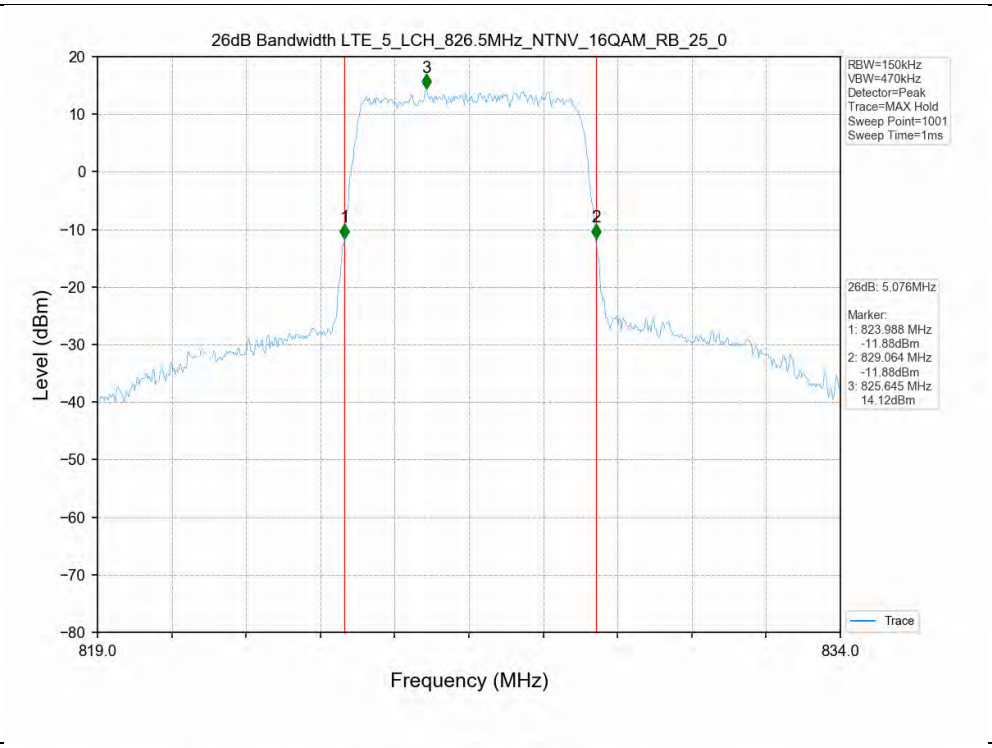

99% Bandwidth LTE_5_HCH_846.5MHz_NTNV_16QAM_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW. 4.540MHz
Marker:
1: 844.242 MHz
9.73dBm
2: 848.782 MHz
8.04dBm
Trace
Level (dBm)
Frequency (MHz)
839.0
854.0

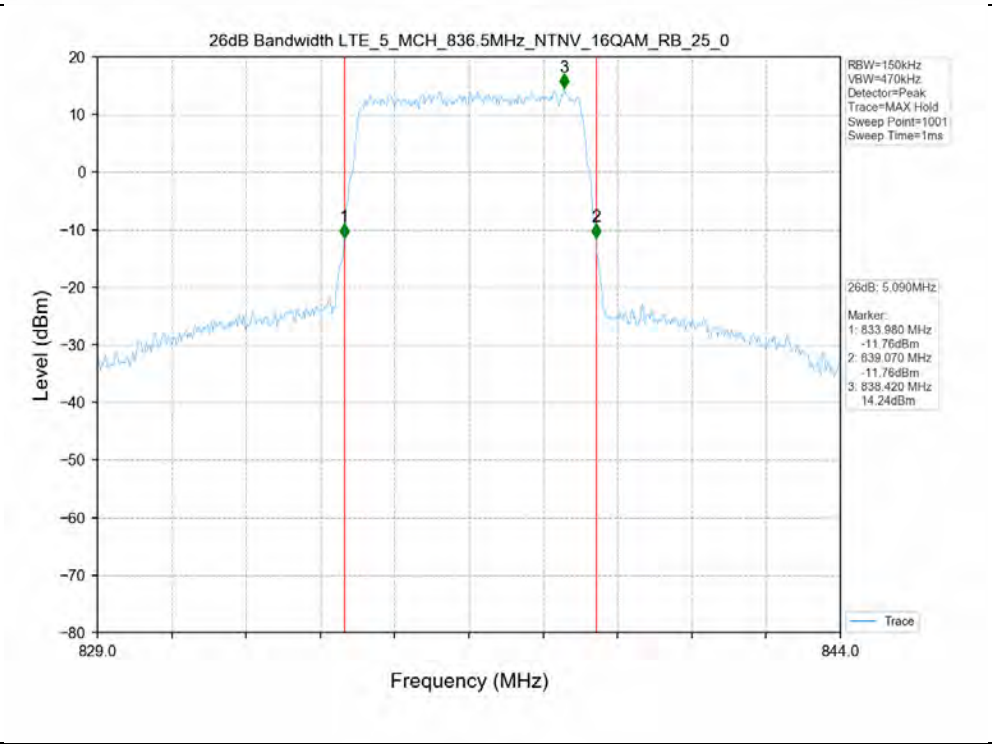

99% Bandwidth LTE_5_LCH_826.5MHz_NTNV_QPSK_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW. 4.547MHz
Marker:
1: 824.251 MHz
9.30dBm
2: 828.798 MHz
9.16dBm
Trace
Level (dBm)
Frequency (MHz)
819.0
834.0

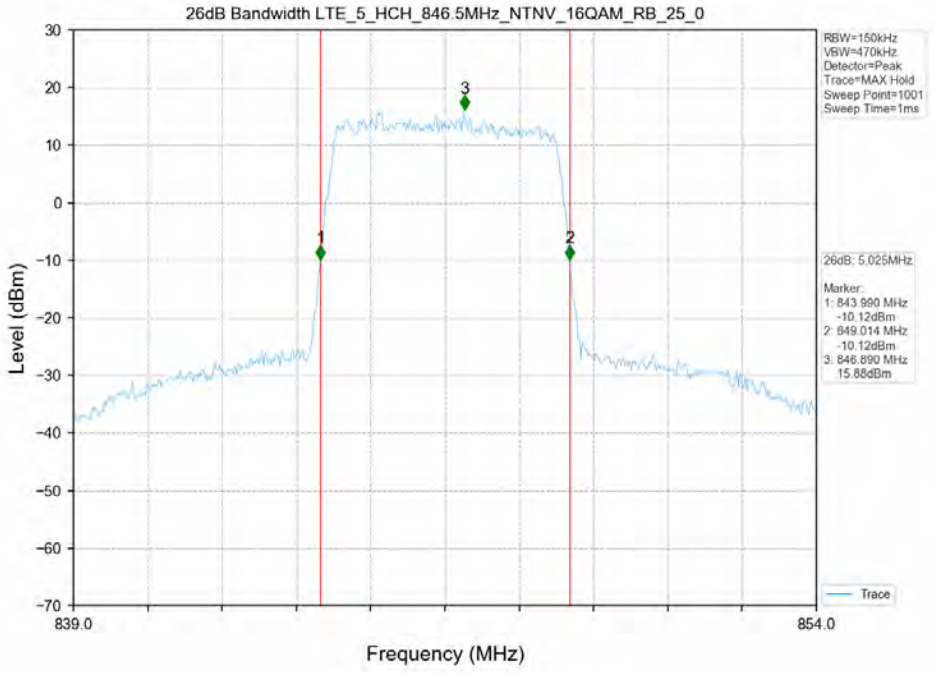


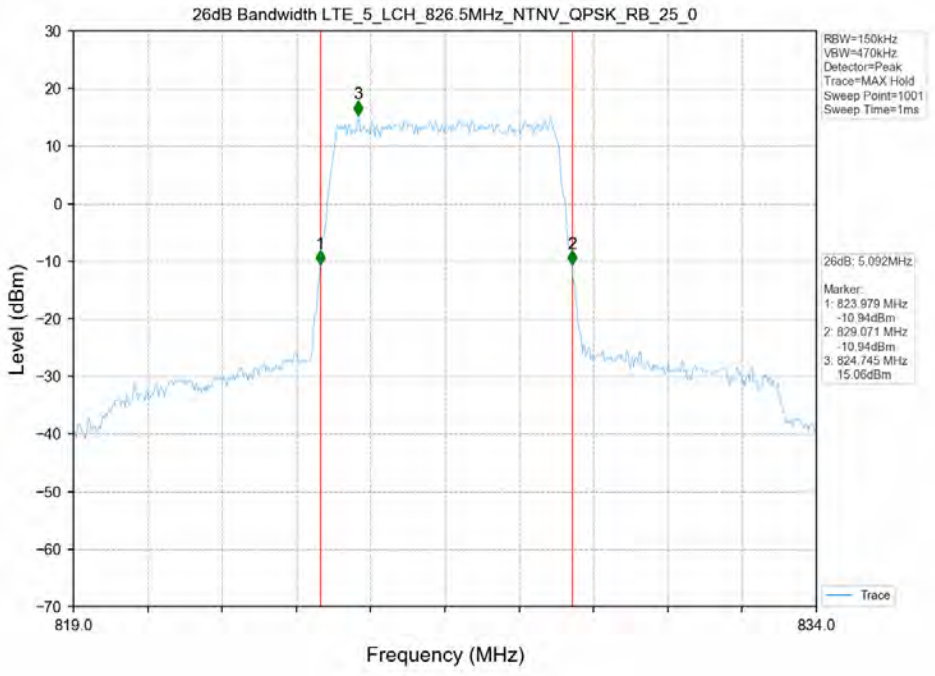


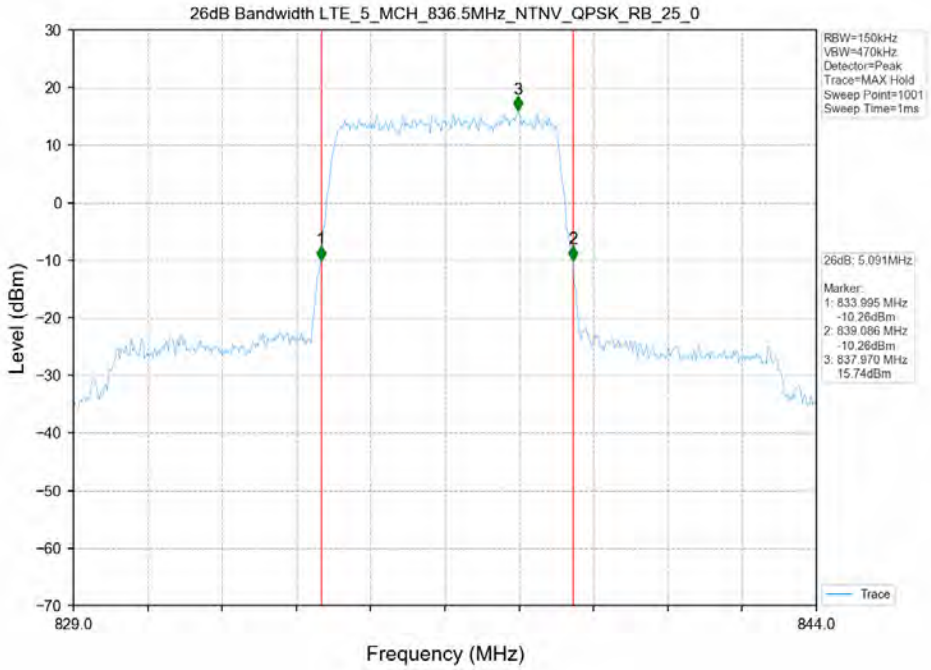
Test Band: 5 _ 5MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
16QAM	25	0	5.080	5.090	5.030	N/A	PASS
QPSK	25	0	5.090	5.090	5.060	N/A	PASS

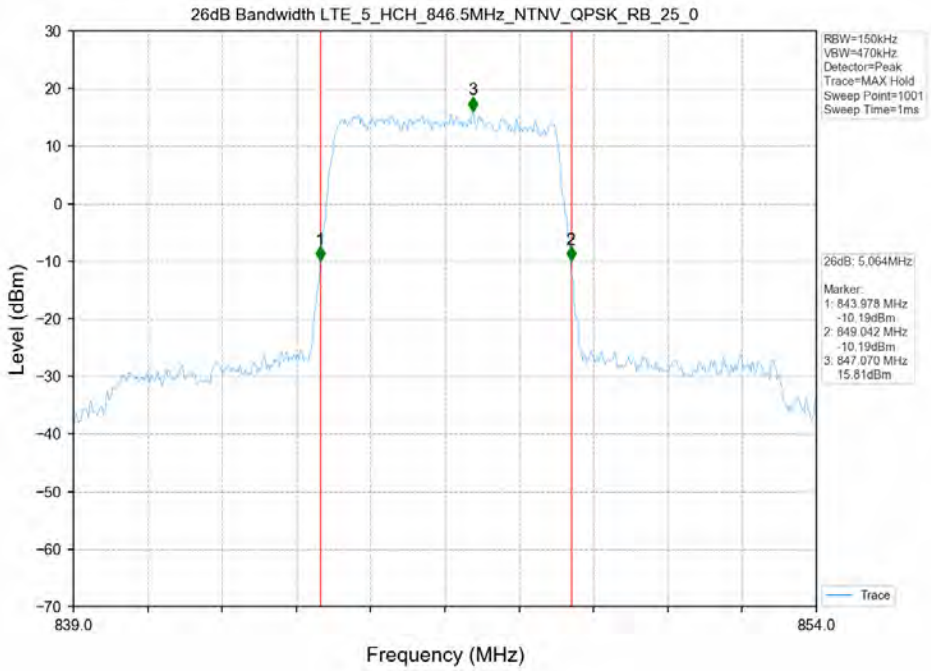

26dB Bandwidth LTE_5_LCH_826.5MHz_NTNV_16QAM_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 5.076MHz
Marker:
1: 823.988 MHz
-11.88dBm
2: 829.064 MHz
-11.88dBm
3: 825.645 MHz
14.12dBm
Trace
Level (dBm)
Frequency (MHz)
819.0
834.0


26dB Bandwidth LTE_5_MCH_836.5MHz_NTNV_16QAM_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 5.090MHz
Marker:
1: 833.980 MHz
-11.76dBm
2: 839.070 MHz
-11.76dBm
3: 838.420 MHz
14.24dBm
Trace
Level (dBm)
Frequency (MHz)
829.0
844.0

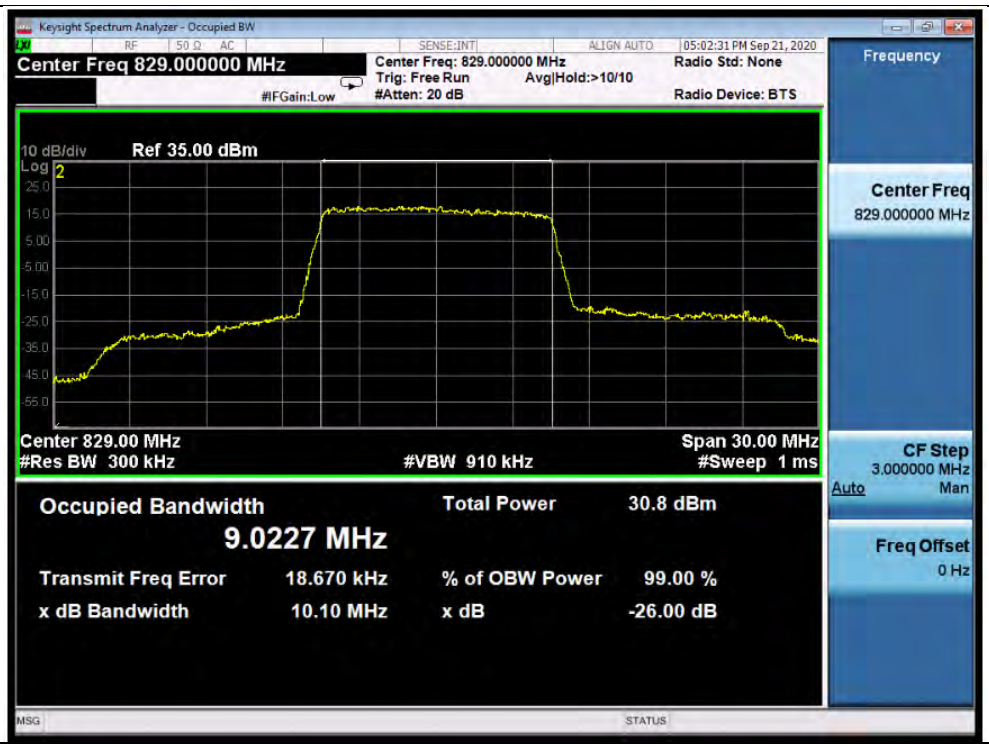

26dB Bandwidth LTE_5_HCH_846.5MHz_NTNV_16QAM_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 5.025MHz
Marker:
1: 843.990 MHz
-10.12dBm
2: 849.014 MHz
-10.12dBm
3: 846.890 MHz
15.88dBm
Trace
Level (dBm)
Frequency (MHz)
839.0
854.0


26dB Bandwidth LTE_5_LCH_826.5MHz_NTNV_QPSK_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 5.092MHz
Marker:
1: 823.979 MHz
-10.94dBm
2: 829.071 MHz
-10.94dBm
3: 824.745 MHz
15.06dBm
Trace
Level (dBm)
Frequency (MHz)
819.0
834.0

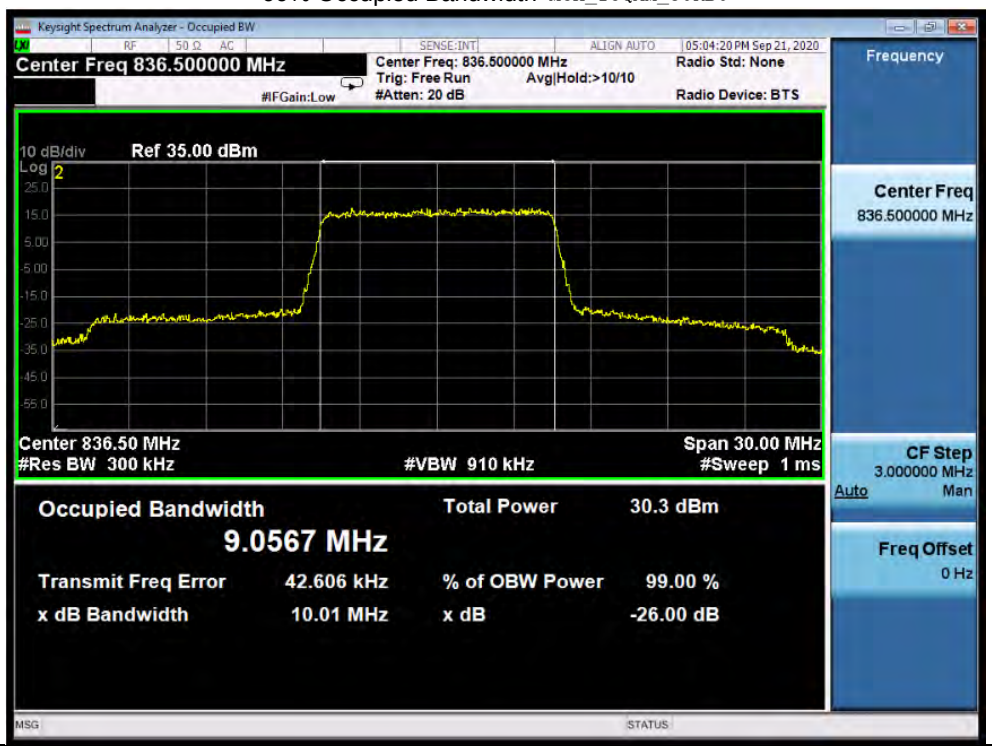




Test Band: 5 _ 10MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
16QAM	50	0	9.0227	9.0567	9.0097	N/A	PASS
QPSK	50	0	8.990	9.070	9.000	N/A	PASS
99% Occupied Bandwidth-LCH_16QAM_50RB0							

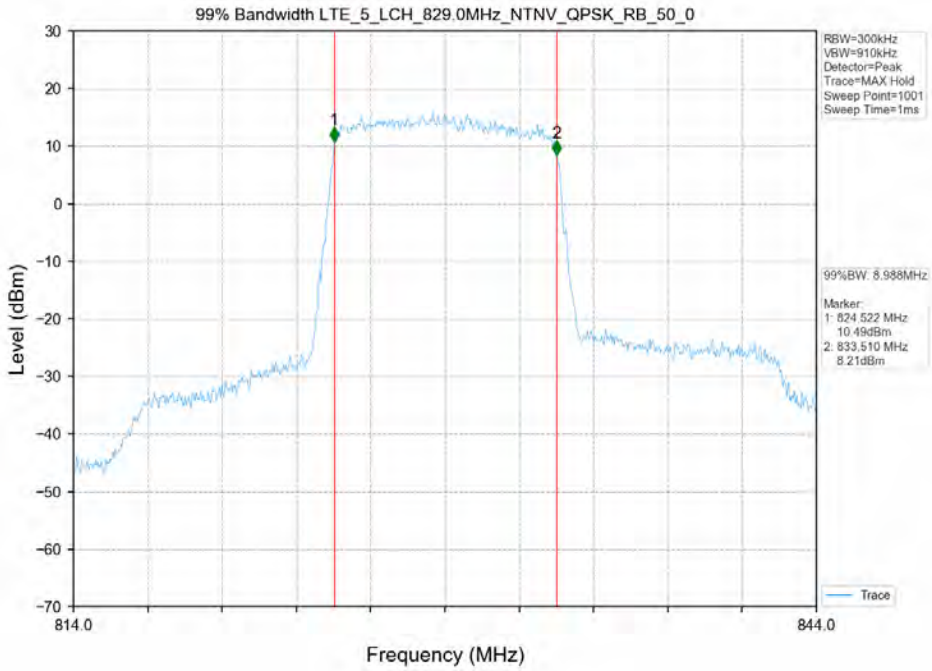


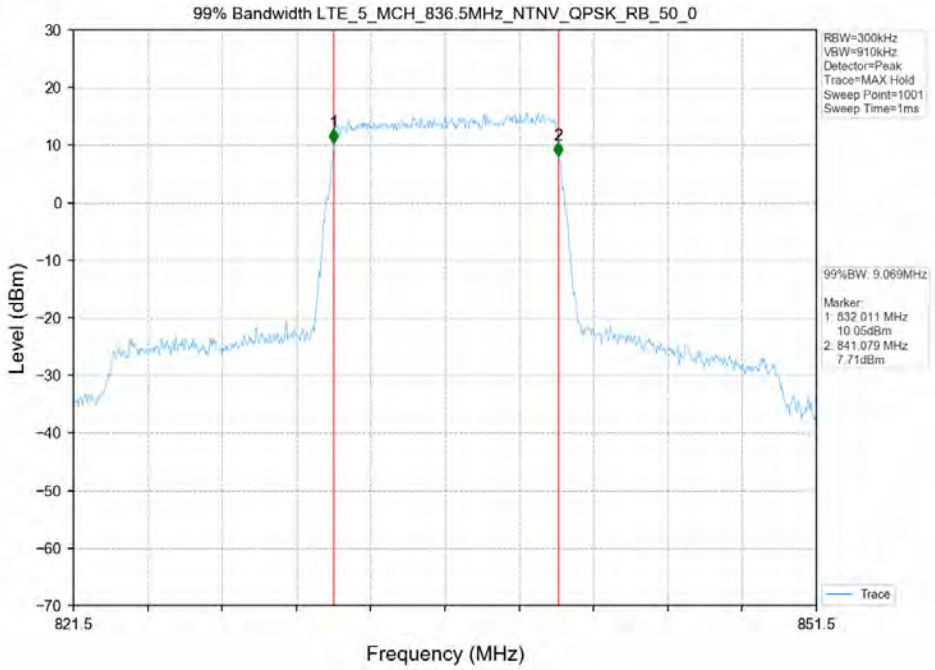
99% Occupied Bandwidth-MCH_16QAM_50RB0

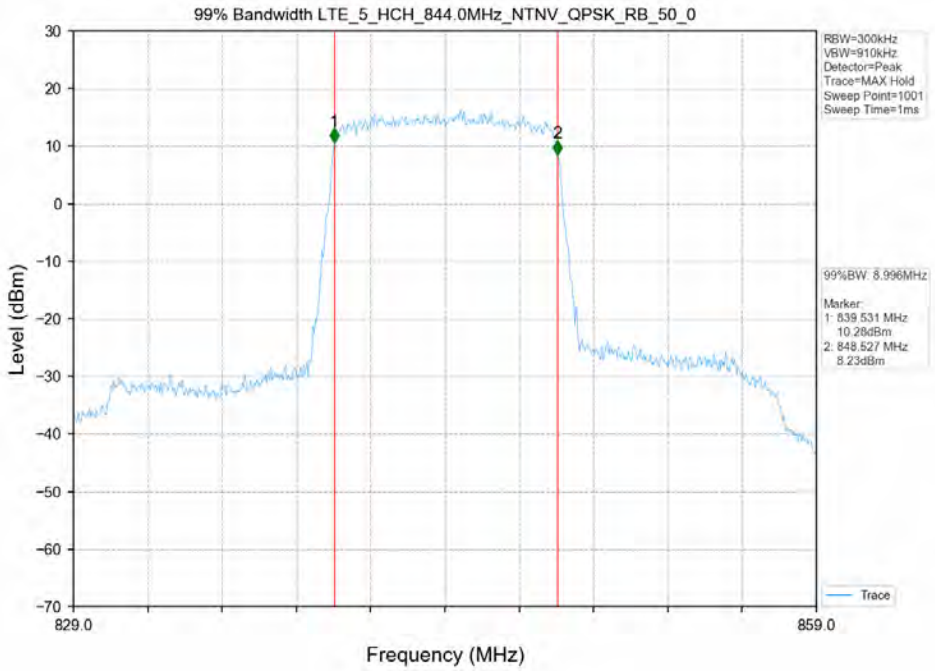


99% Occupied Bandwidth-HCH_16QAM_50RB0

Keysight Spectrum Analyzer - Occupied BW
Center Freq 844.000000 MHz
Center Freq: 844.000000 MHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 20 dB
Radio Std: None
Radio Device: BTS
Trace/Detector
10 dB/div
Ref 35.00 dBm
Clear Write
Average
Max Hold
Min Hold
Center 844.00 MHz
#Res BW 300 kHz
#VBW 910 kHz
Span 30.00 MHz
#Sweep 1 ms
Occupied Bandwidth
9.0097 MHz
Total Power 30.2 dBm
Transmit Freq Error 44.443 kHz
% of OBW Power 99.00 %
x dB Bandwidth 10.07 MHz
x dB -26.00 dB
Detector
Average
Auto
Man
MSG
STATUS

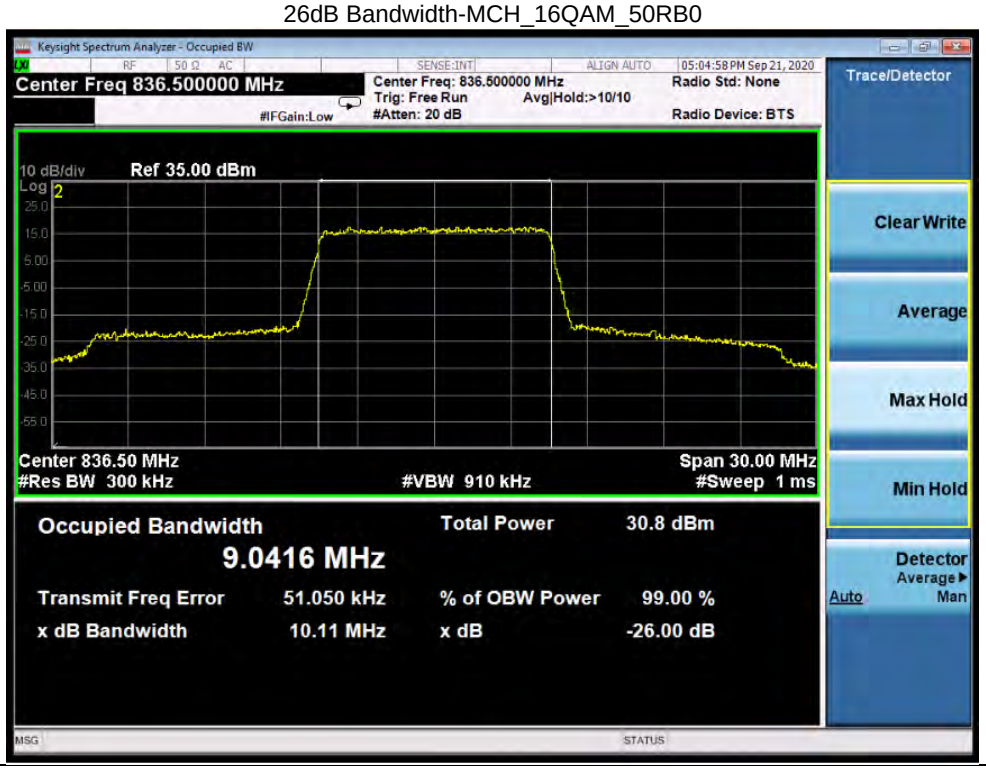

99% Bandwidth LTE_5_LCH_829.0MHz_NTNV_QPSK_RB_50_0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 8.988MHz
Marker:
1: 824.522 MHz
10.49dBm
2: 833.510 MHz
8.21dBm
Trace
Level (dBm)
Frequency (MHz)
814.0
844.0



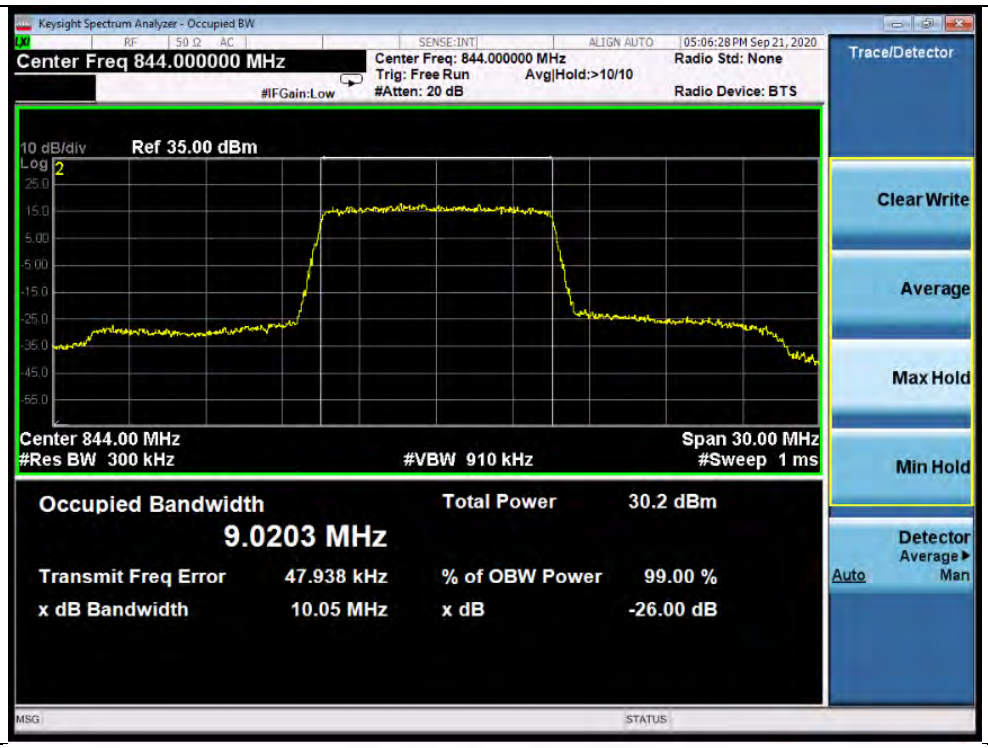


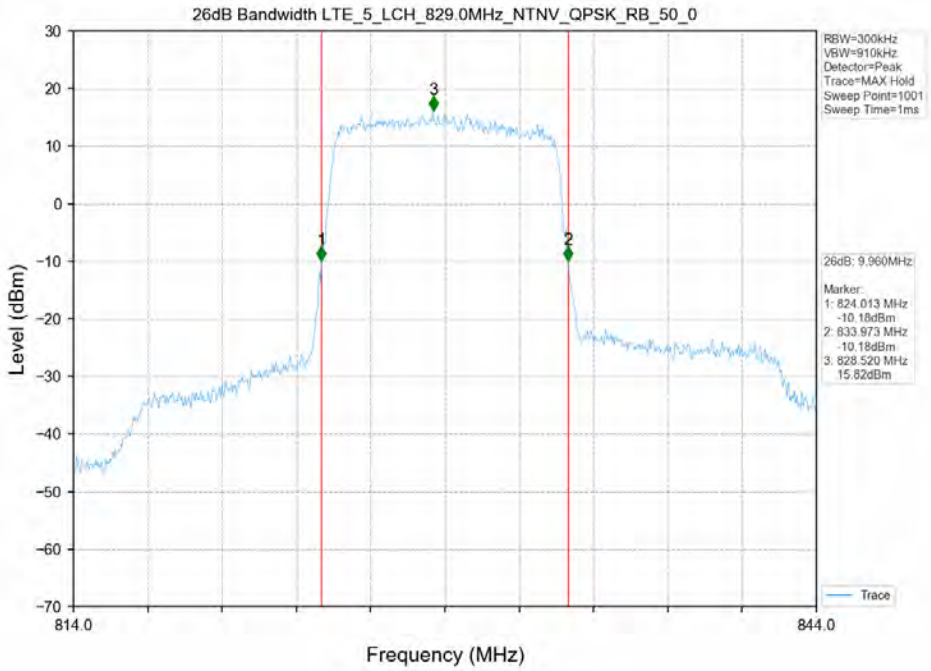
Test Band: 5 _ 10MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
16QAM	50	0	10.06	10.11	10.05	N/A	PASS
QPSK	50	0	9.960	10.100	10.010	N/A	PASS
26dB Bandwidth-LCH_16QAM_50RB0							

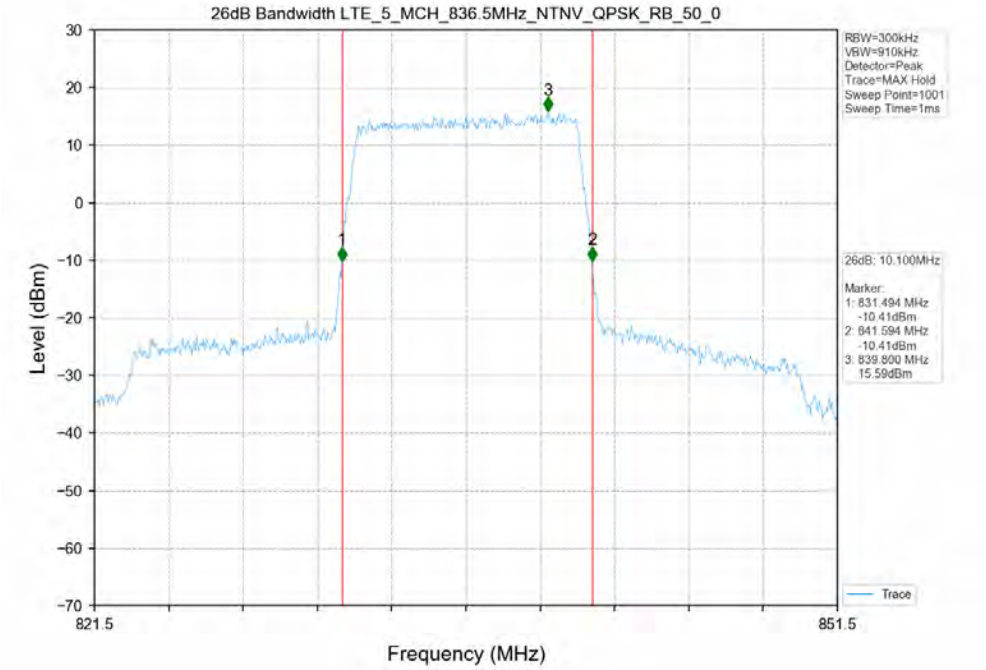
26dB Bandwidth-MCH_16QAM_50RB0

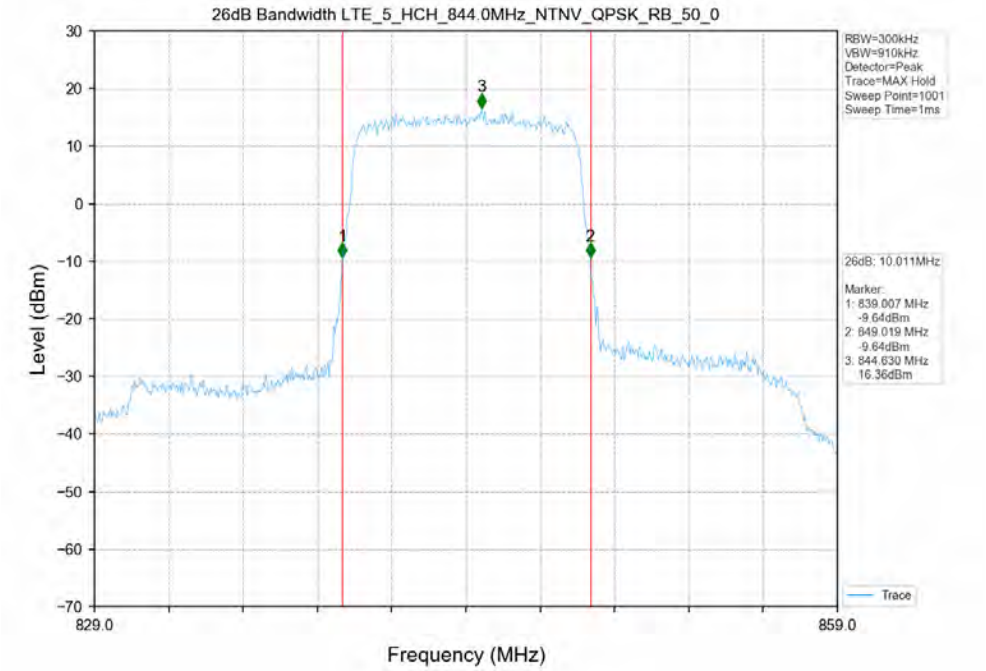


26dB Bandwidth-HCH_16QAM_50RB0


Keysight Spectrum Analyzer - Occupied BW
Center Freq 844.000000 MHz
Center Freq: 844.000000 MHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 20 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
Trace/Detector
10 dB/div
Ref 35.00 dBm
Log
Clear Write
Average
Max Hold
Min Hold
Center 844.00 MHz
#Res BW 300 kHz
#VBW 910 kHz
Span 30.00 MHz
#Sweep 1 ms
Occupied Bandwidth
9.0203 MHz
Total Power 30.2 dBm
Transmit Freq Error 47.938 kHz
% of OBW Power 99.00 %
x dB Bandwidth 10.05 MHz
x dB -26.00 dB
Detector
Average
Auto
Man
MSG
STATUS

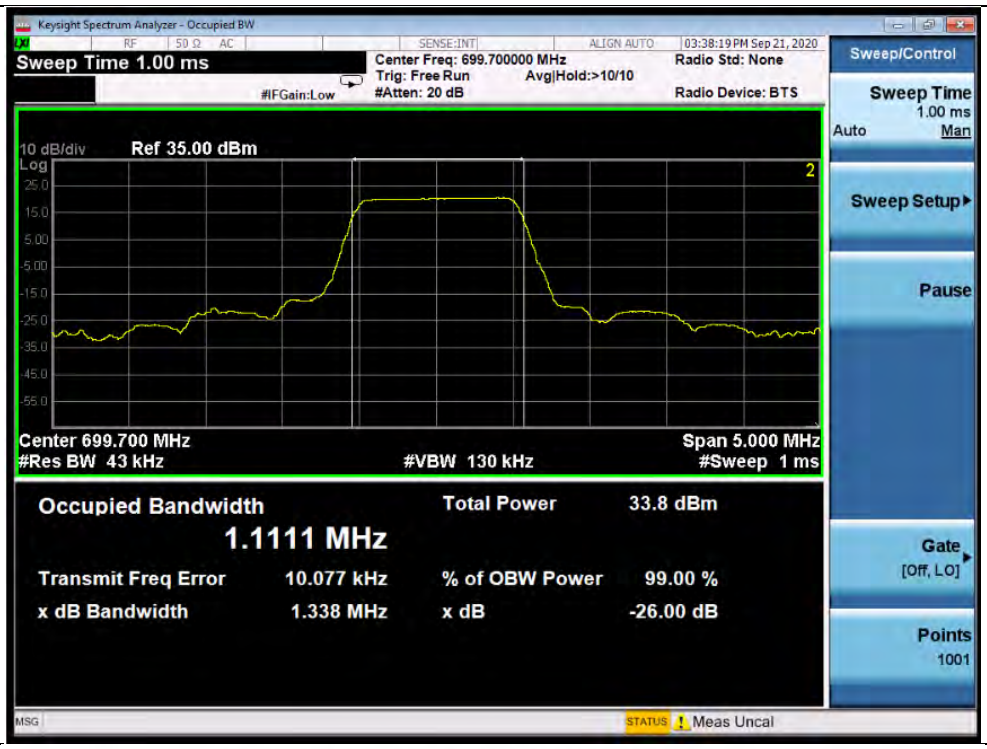

26dB Bandwidth LTE_5_LCH_829.0MHz_NTNV_QPSK_RB_50_0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 9.960MHz
Marker:
1: 824.013 MHz
-10.18dBm
2: 833.973 MHz
-10.18dBm
3: 828.520 MHz
15.82dBm
Trace
Level (dBm)
Frequency (MHz)
814.0
844.0

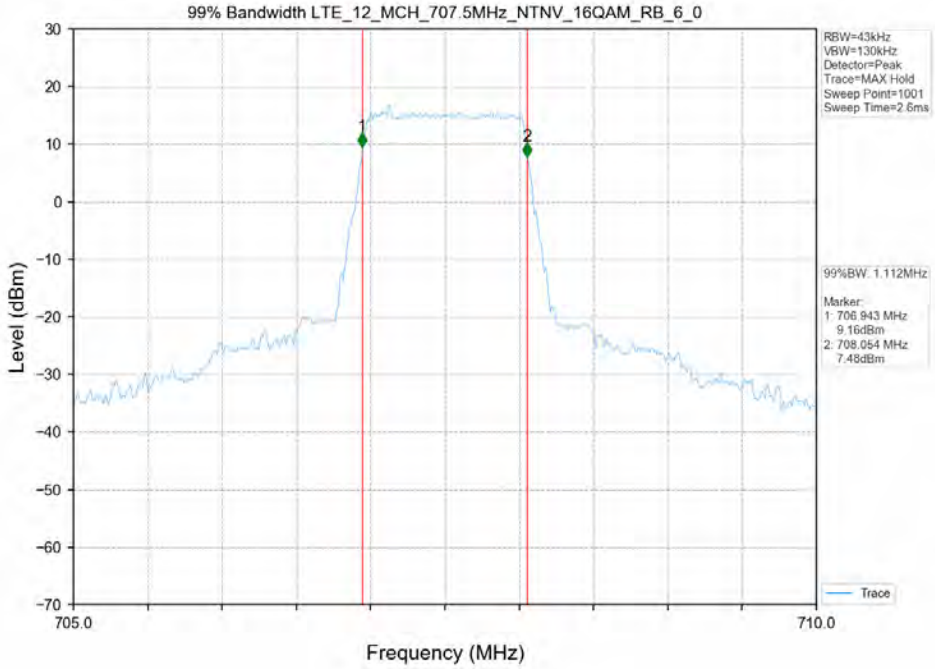


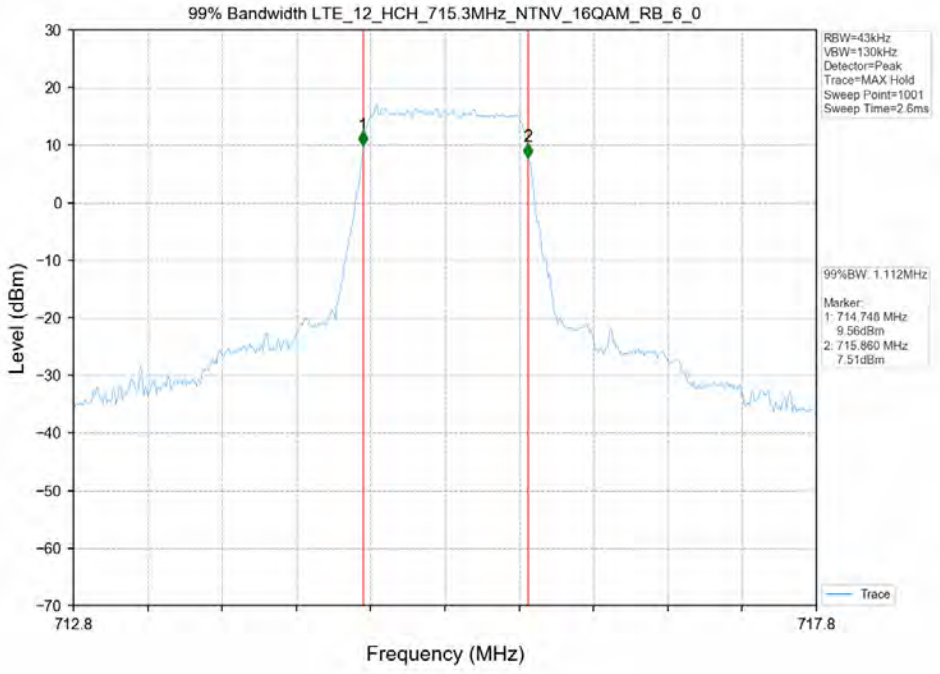


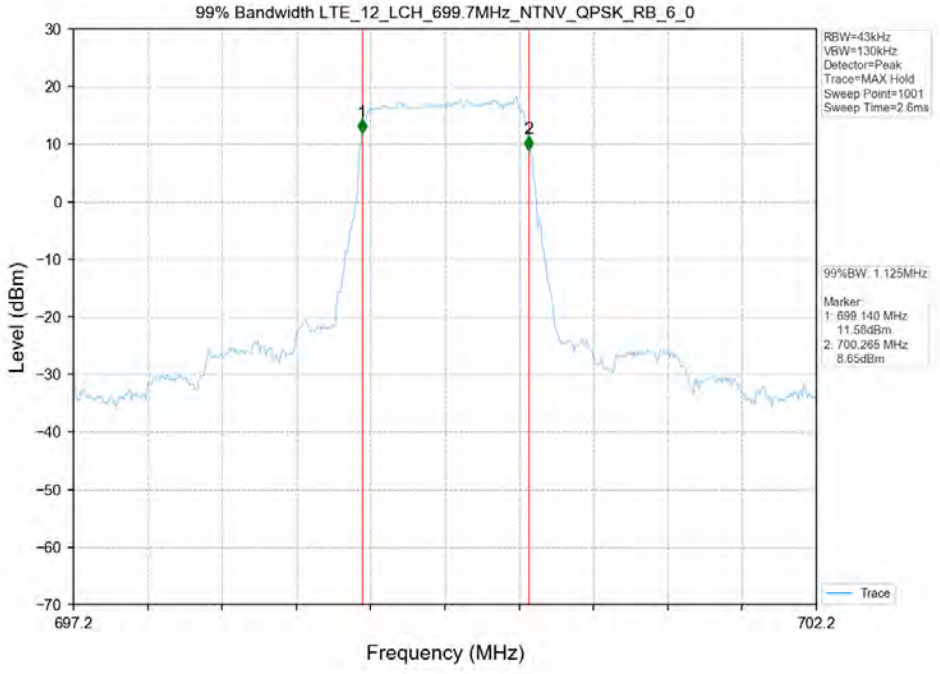
LTE Band 12

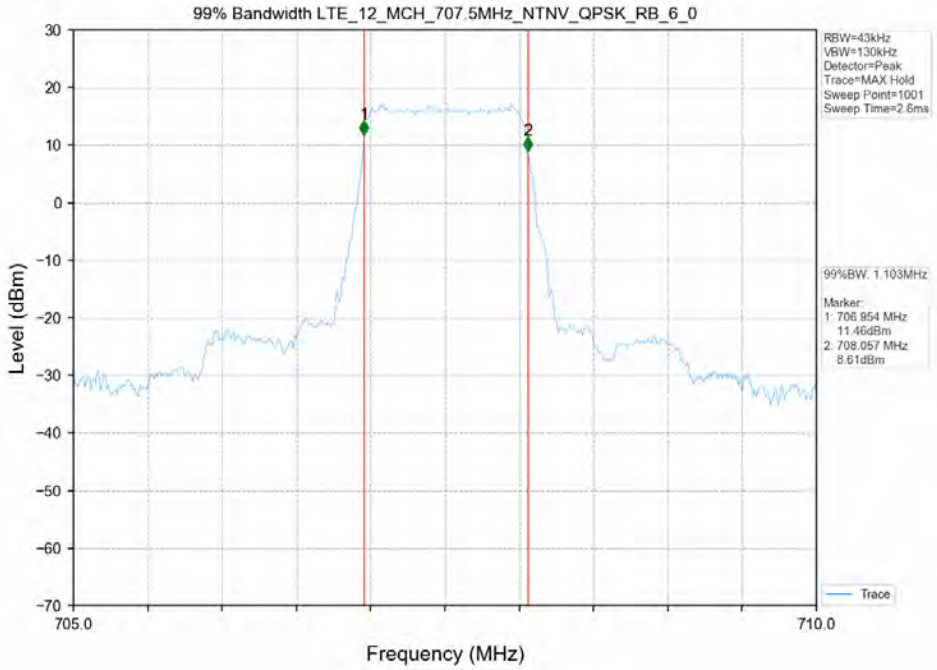
Test Band: 12 _ 1.4MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
16QAM	6	0	1.1111	1.110	1.110	N/A	PASS
QPSK	6	0	1.120	1.100	1.100	N/A	PASS
99% Occupied Bandwidth-LCH_16QAM_6RB0							

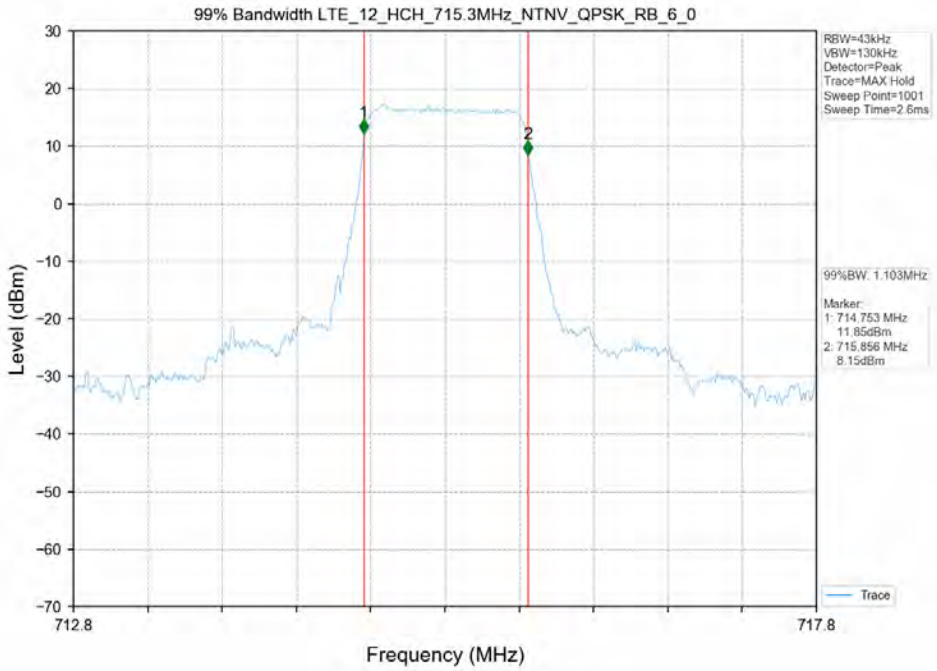

Keysight Spectrum Analyzer - Occupied BW
Sweep Time 1.00 ms
Center Freq: 699.700000 MHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 20 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
10 dB/div
Ref 35.00 dBm
Center 699.700 MHz
#Res BW 43 kHz
#VBW 130 kHz
Span 5.000 MHz
#Sweep 1 ms
Occupied Bandwidth
1.1111 MHz
Total Power 33.8 dBm
Transmit Freq Error 10.077 kHz
% of OBW Power 99.00 %
x dB Bandwidth 1.338 MHz
x dB -26.00 dB
Sweep/Control
Sweep Time 1.00 ms
Auto Man
Sweep Setup
Pause
Gate [Off, LO]
Points 1001
Meas Uncal


99% Bandwidth LTE_12_MCH_707.5MHz_NTNV_16QAM_RB_6_0
RBW=43kHz
VBW=130kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.6ms
99%BW: 1.112MHz
Marker:
1: 706.943 MHz
9.16dBm
2: 708.054 MHz
7.48dBm
Trace
Level (dBm)
Frequency (MHz)
705.0
710.0

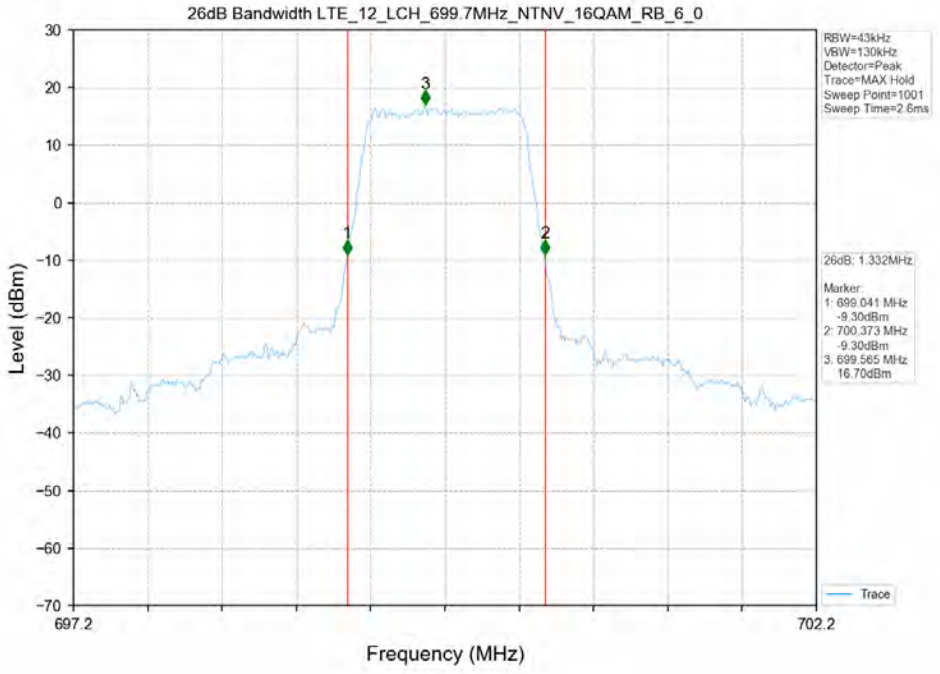

99% Bandwidth LTE_12_HCH_715.3MHz_NTNV_16QAM_RB_6_0
RBW=43kHz
VBW=130kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.6ms
99%BW: 1.112MHz
Marker:
1: 714.748 MHz
9.56dBm
2: 715.860 MHz
7.51dBm
Trace
Level (dBm)
Frequency (MHz)
712.8
717.8

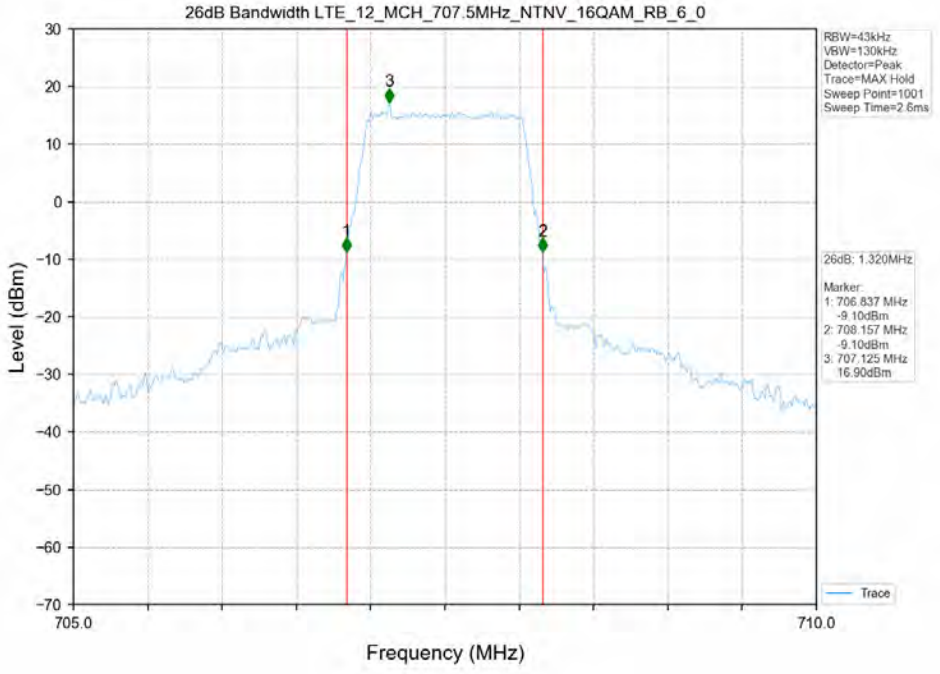

99% Bandwidth LTE_12_LCH_699.7MHz_NTNV_QPSK_RB_6_0
RBW=43kHz
VBW=130kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.6ms
99%BW: 1.125MHz
Marker:
1: 699.140 MHz
11.58dBm
2: 700.265 MHz
8.65dBm
Trace
Level (dBm)
Frequency (MHz)
697.2
702.2

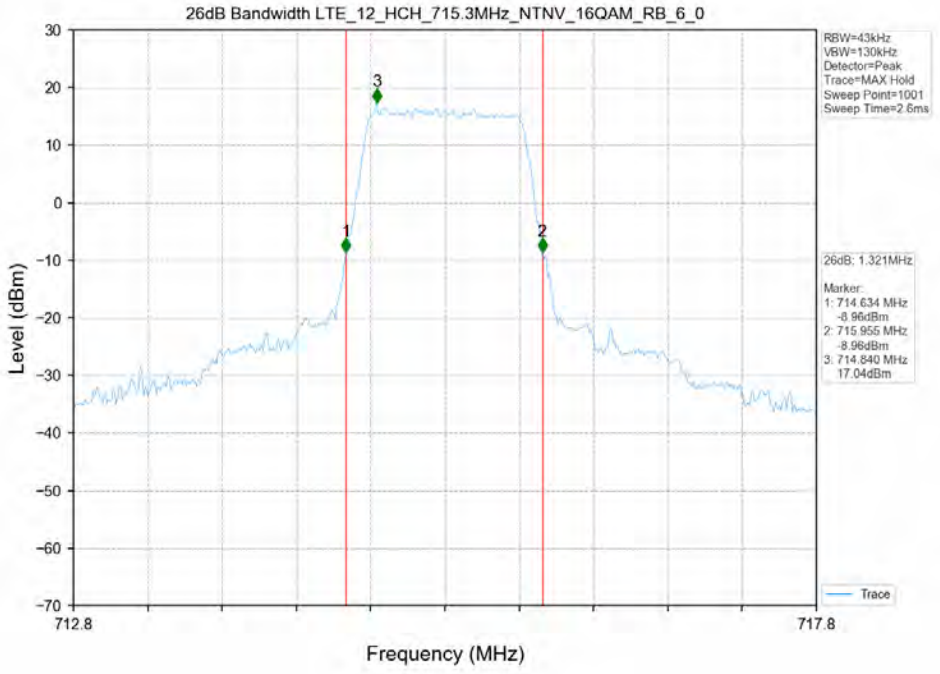


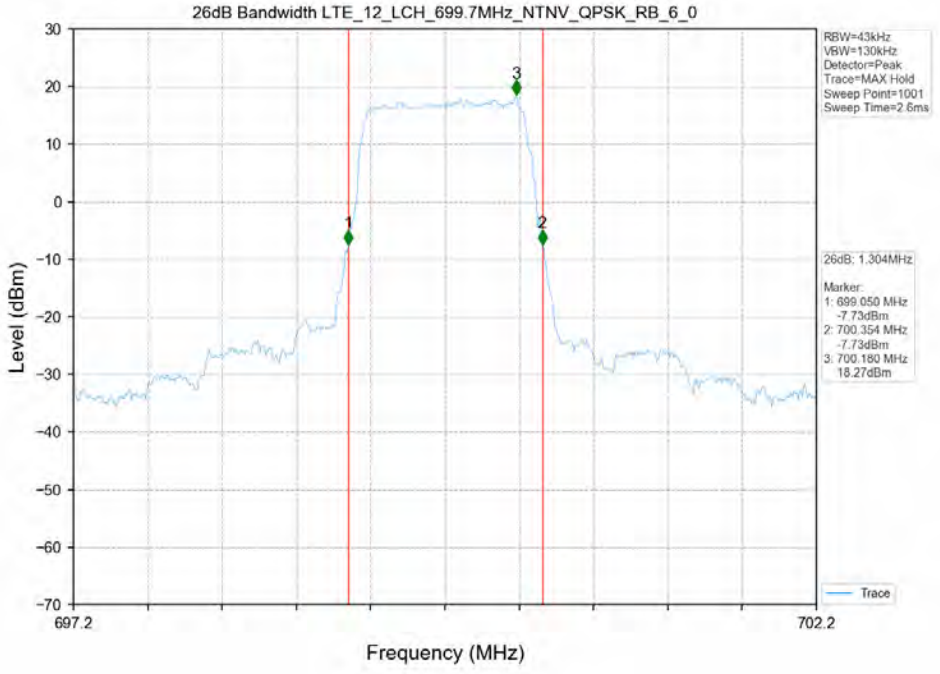


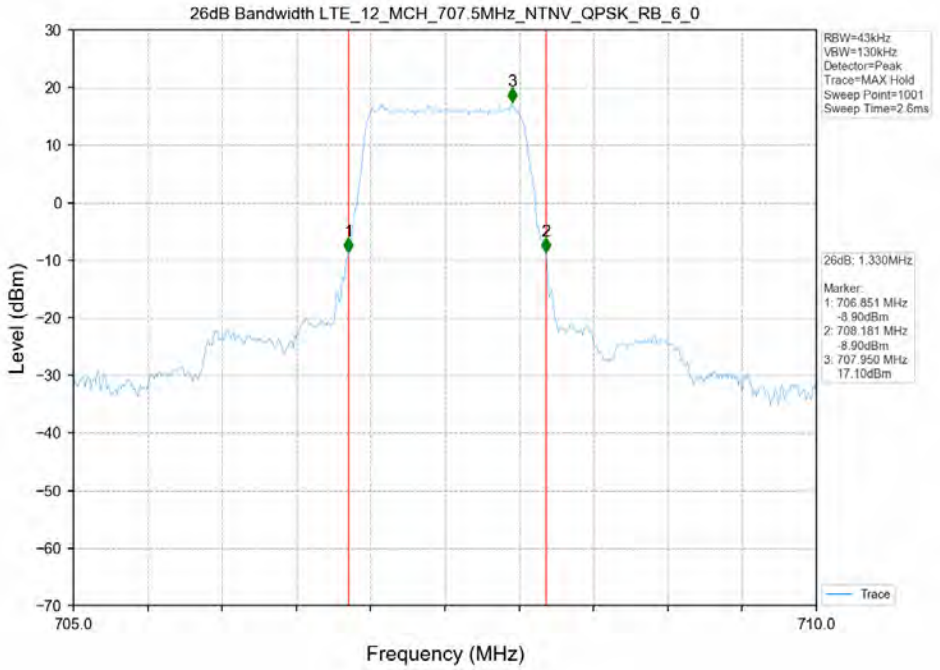
Test Band: 12 _ 1.4MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
16QAM	6	0	1.330	1.320	1.320	N/A	PASS
QPSK	6	0	1.300	1.330	1.320	N/A	PASS

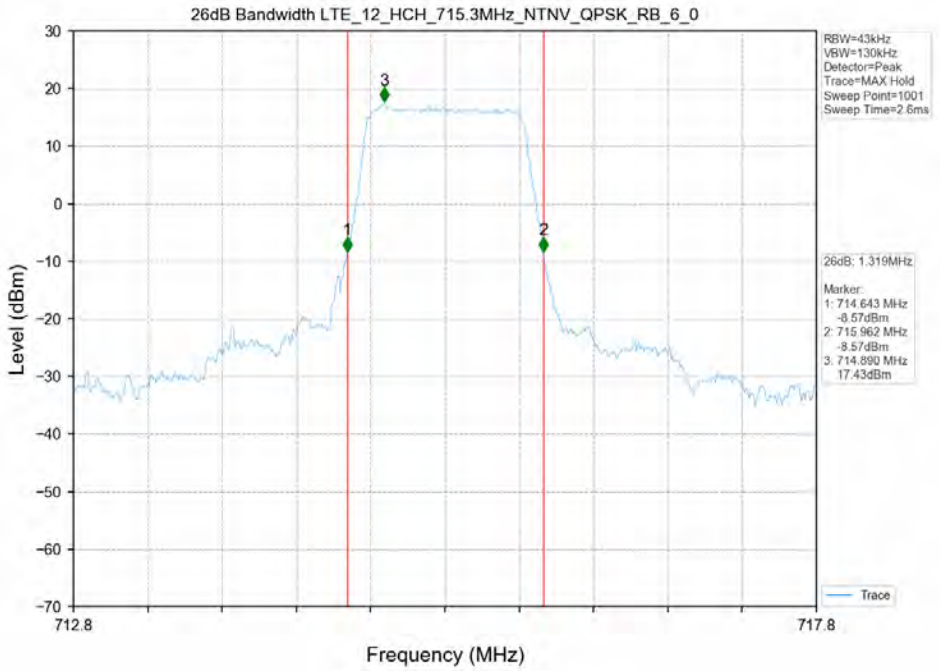

26dB Bandwidth LTE_12_LCH_699.7MHz_NTNV_16QAM_RB_6_0
RBW=43kHz
VBW=130kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.6ms
26dB: 1.332MHz
Marker:
1: 699.041 MHz
-9.30dBm
2: 700.373 MHz
-9.30dBm
3: 699.565 MHz
16.70dBm
Trace
Level (dBm)
Frequency (MHz)
697.2
702.2


26dB Bandwidth LTE_12_MCH_707.5MHz_NTNV_16QAM_RB_6_0
RBW=43kHz
VBW=130kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.6ms
26dB: 1.320MHz
Marker:
1: 706.837 MHz
-9.10dBm
2: 708.157 MHz
-9.10dBm
3: 707.125 MHz
16.90dBm
Trace
Level (dBm)
Frequency (MHz)
705.0
710.0

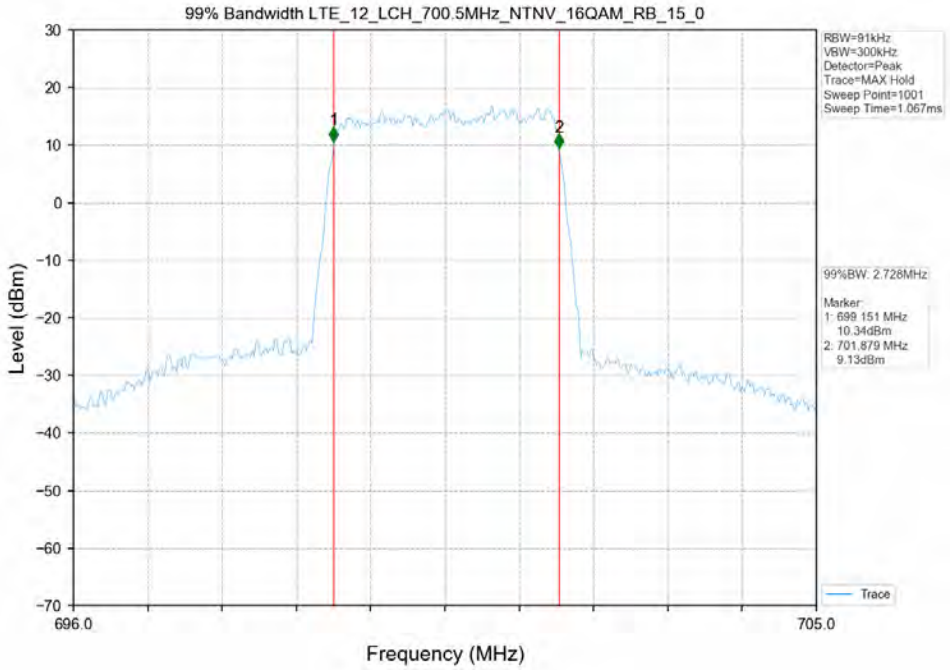

26dB Bandwidth LTE_12_HCH_715.3MHz_NTNV_16QAM_RB_6_0
RBW=43kHz
VBW=130kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.6ms
26dB: 1.321MHz
Marker:
1: 714.634 MHz
-8.96dBm
2: 715.955 MHz
-8.96dBm
3: 714.840 MHz
17.04dBm
Trace
Level (dBm)
Frequency (MHz)
712.8
717.8

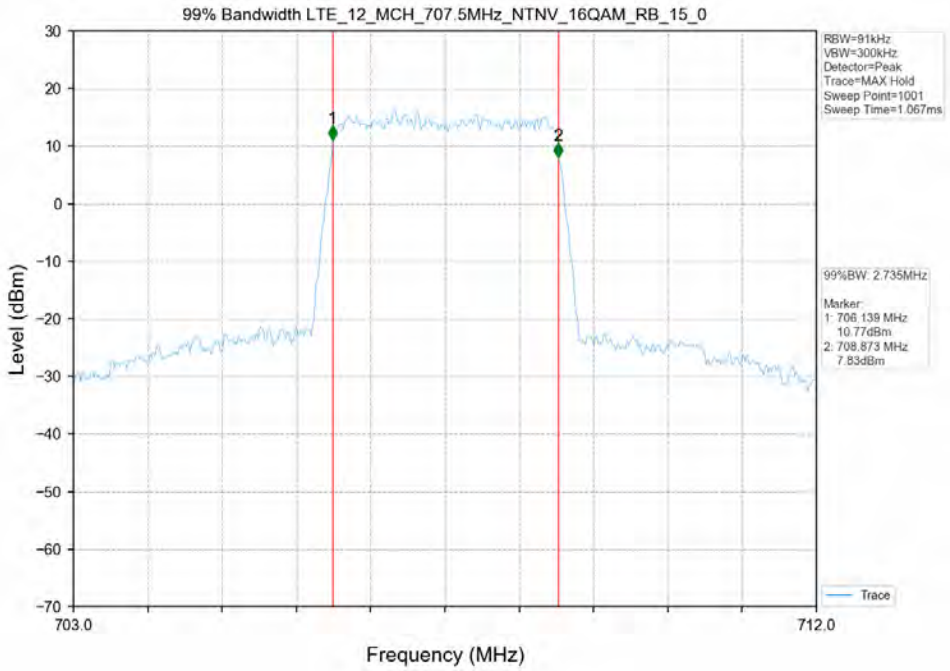

26dB Bandwidth LTE_12_LCH_699.7MHz_NTNV_QPSK_RB_6_0
RBW=43kHz
VBW=130kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.6ms
26dB: 1.304MHz
Marker:
1: 699.050 MHz
-7.73dBm
2: 700.354 MHz
-7.73dBm
3: 700.180 MHz
18.27dBm
Trace
Level (dBm)
Frequency (MHz)
697.2
702.2

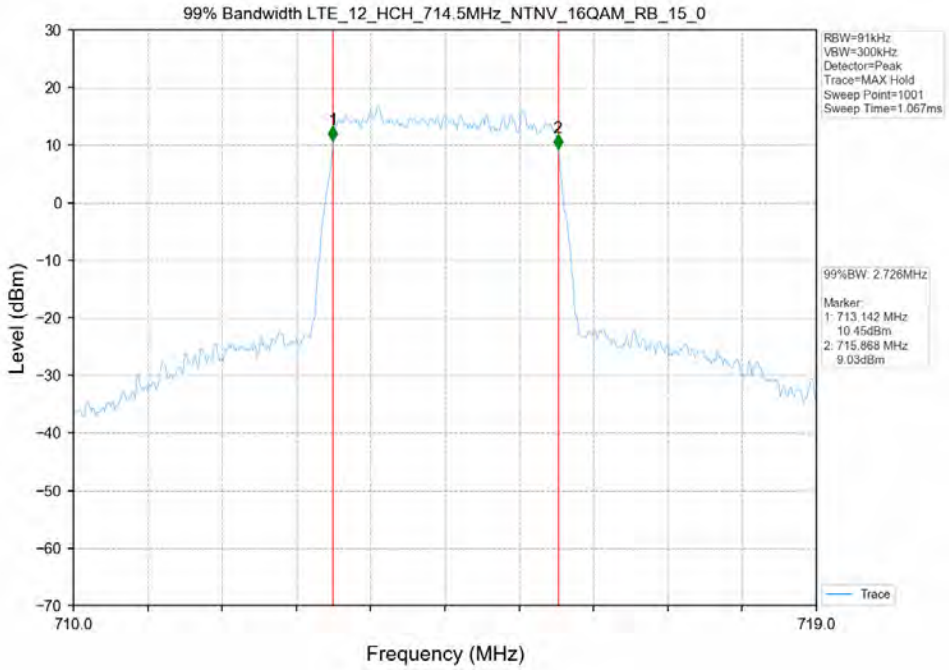


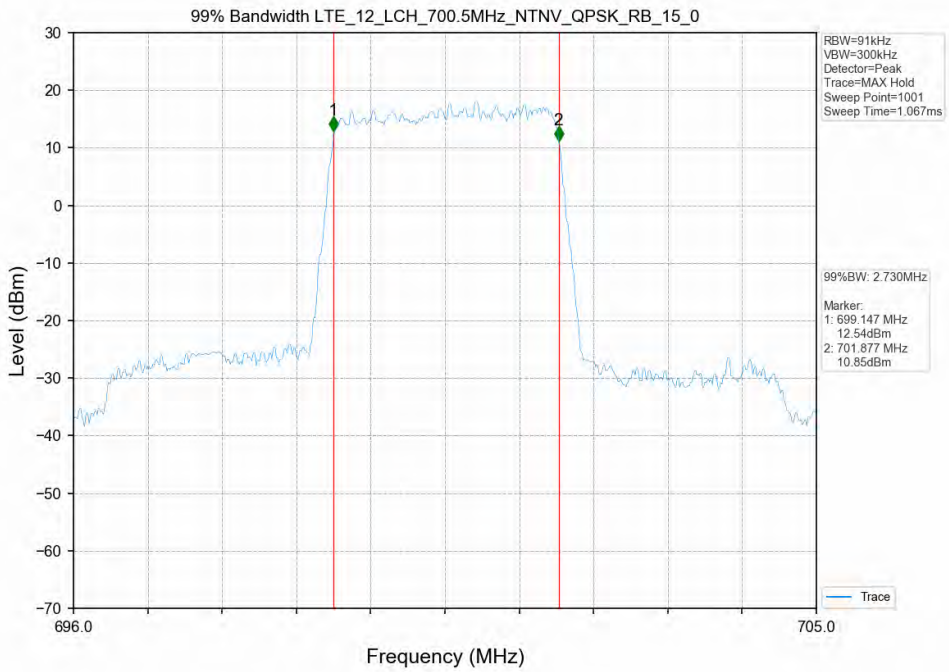


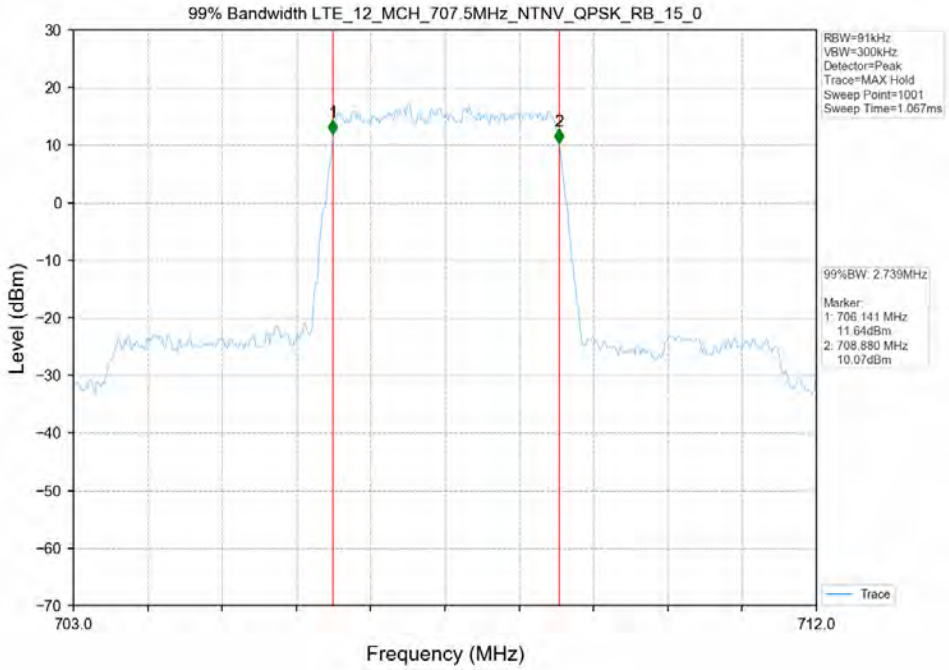
Test Band: 12 _ 3MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
16QAM	15	0	2.730	2.730	2.730	N/A	PASS
QPSK	15	0	2.730	2.740	2.740	N/A	PASS

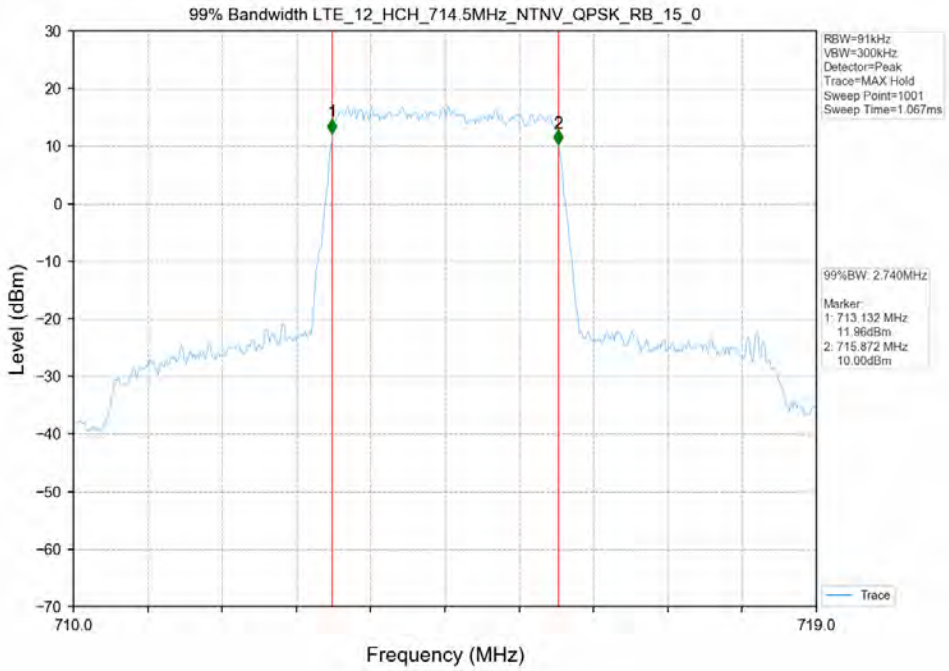

99% Bandwidth LTE_12_LCH_700.5MHz_NTNV_16QAM_RB_15_0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
99%BW: 2.728MHz
Marker
1: 699.151 MHz
10.34dBm
2: 701.879 MHz
9.13dBm
Trace
Level (dBm)
Frequency (MHz)
696.0
705.0


99% Bandwidth LTE_12_MCH_707.5MHz_NTNV_16QAM_RB_15_0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
99%BW: 2.735MHz
Marker
1: 706.139 MHz
10.77dBm
2: 708.873 MHz
7.83dBm
Trace
Level (dBm)
Frequency (MHz)
703.0
712.0

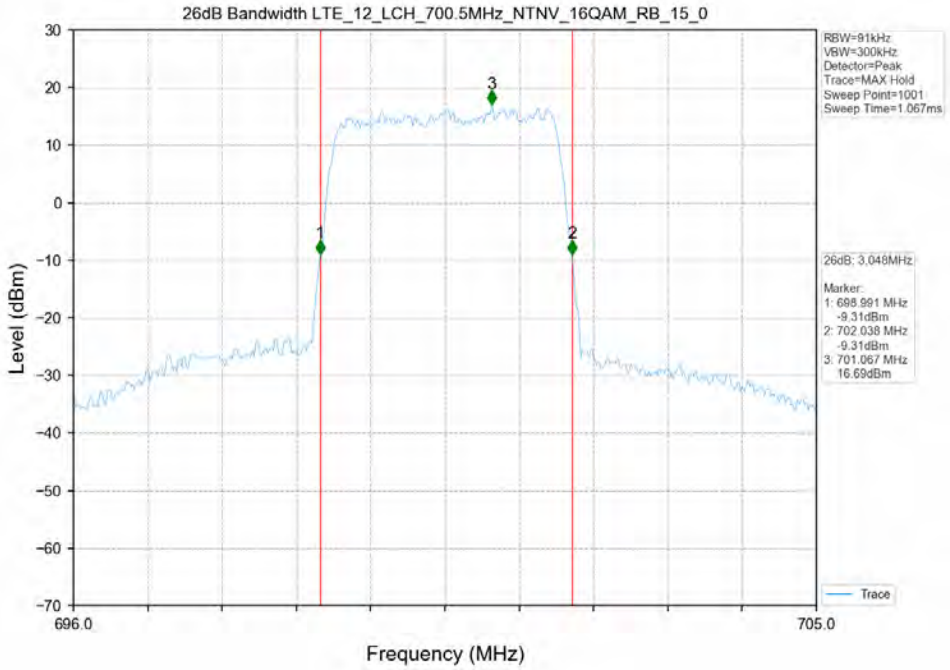

99% Bandwidth LTE_12_HCH_714.5MHz_NTNV_16QAM_RB_15_0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
99%BW: 2.726MHz
Marker:
1: 713.142 MHz
10.45dBm
2: 715.868 MHz
9.03dBm
Trace
Level (dBm)
Frequency (MHz)
710.0
719.0

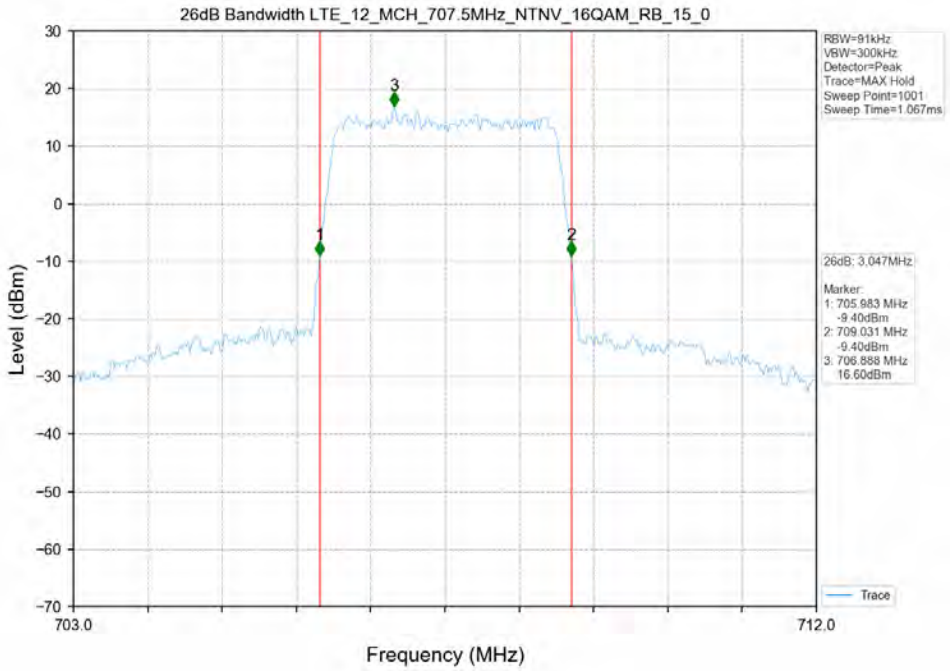

99% Bandwidth LTE_12_LCH_700.5MHz_NTNV_QPSK_RB_15_0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
99%BW: 2.730MHz
Marker:
1: 699.147 MHz
12.54dBm
2: 701.877 MHz
10.85dBm
Trace
Level (dBm)
Frequency (MHz)
696.0
705.0

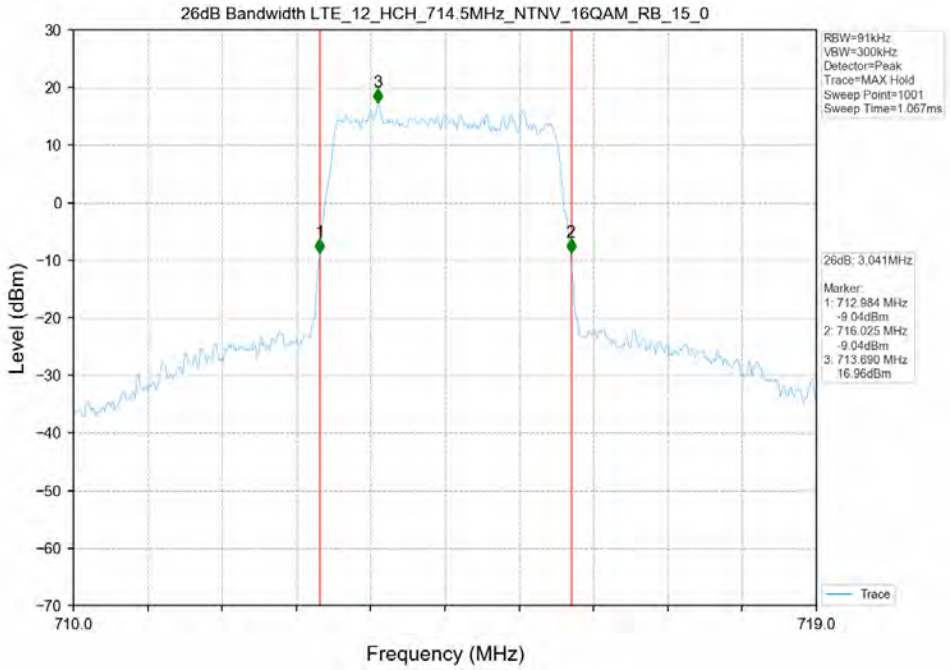


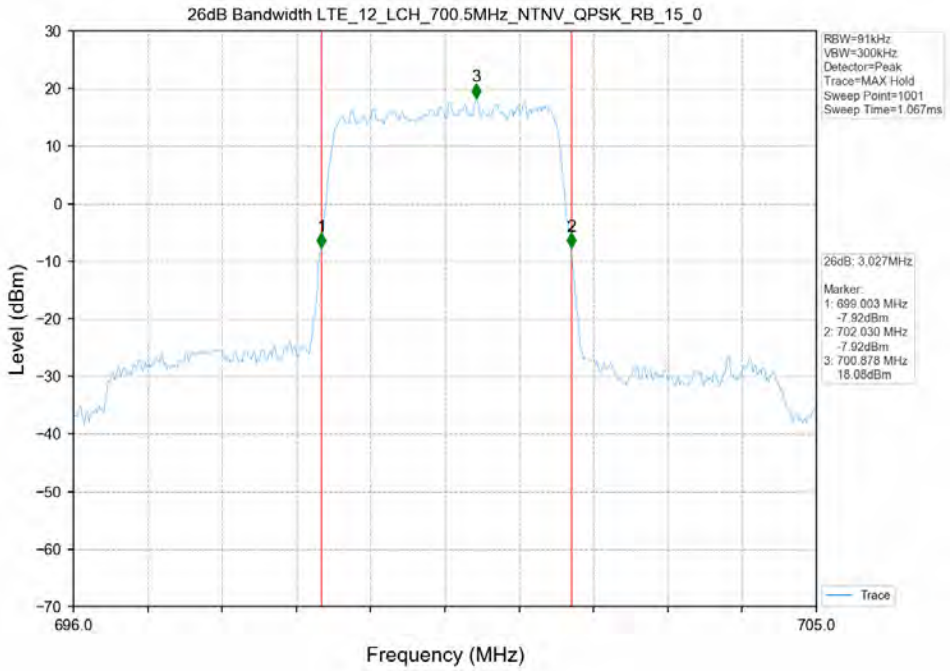


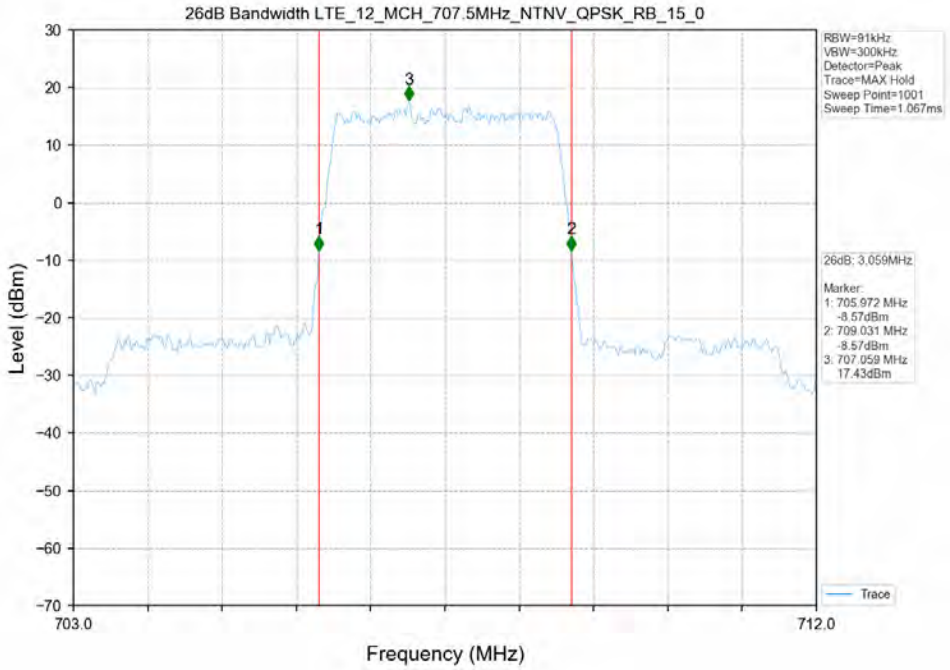
Test Band: 12 _ 3MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
16QAM	15	0	3.050	3.050	3.040	N/A	PASS
QPSK	15	0	3.030	3.060	3.070	N/A	PASS

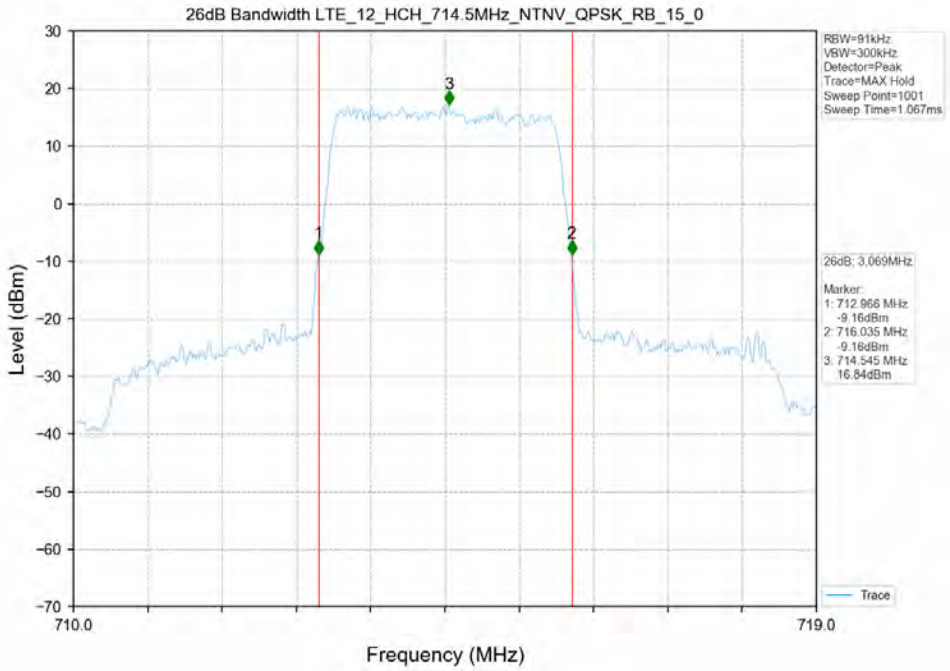

26dB Bandwidth LTE_12_LCH_700.5MHz_NTNV_16QAM_RB_15_0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
26dB: 3.048MHz
Marker:
1: 698.991 MHz
-9.31dBm
2: 702.038 MHz
-9.31dBm
3: 701.067 MHz
16.69dBm
Trace
Level (dBm)
Frequency (MHz)
696.0
705.0


26dB Bandwidth LTE_12_MCH_707.5MHz_NTNV_16QAM_RB_15_0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
26dB: 3.047MHz
Marker:
1: 705.983 MHz
-9.40dBm
2: 709.031 MHz
-9.40dBm
3: 706.888 MHz
16.60dBm
Trace
Level (dBm)
Frequency (MHz)
703.0
712.0

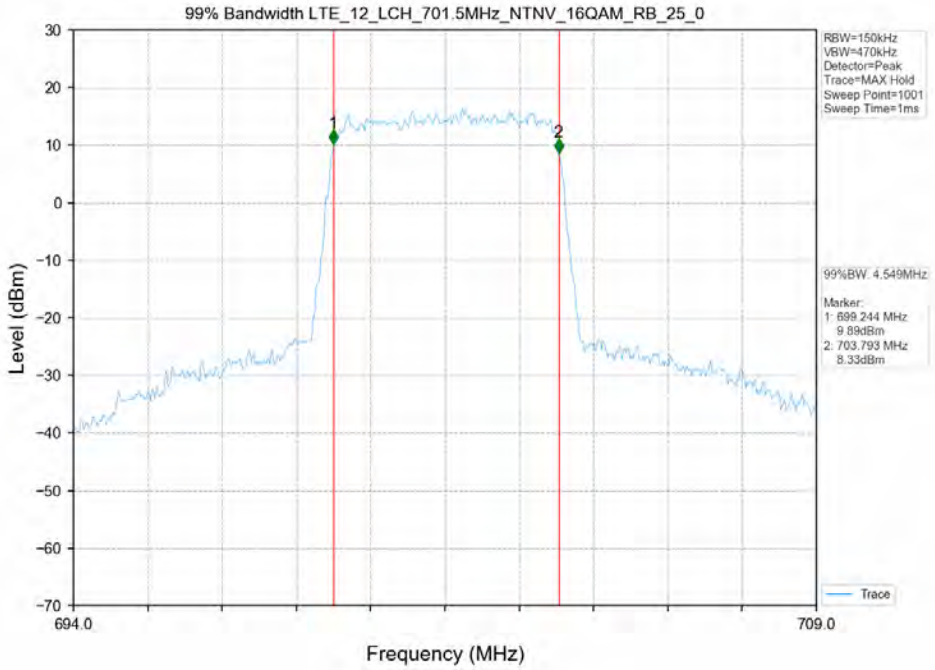

26dB Bandwidth LTE_12_HCH_714.5MHz_NTNV_16QAM_RB_15_0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
26dB: 3.041MHz
Marker:
1: 712.984 MHz
-9.04dBm
2: 716.025 MHz
-9.04dBm
3: 713.690 MHz
16.96dBm
Trace
Level (dBm)
Frequency (MHz)
710.0
719.0

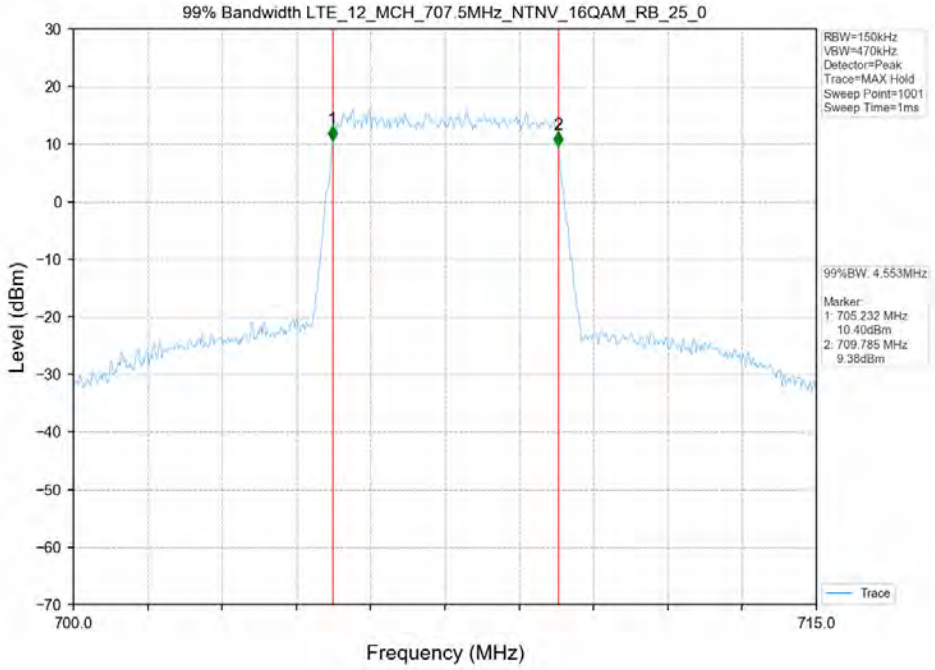

26dB Bandwidth LTE_12_LCH_700.5MHz_NTNV_QPSK_RB_15_0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
26dB: 3.027MHz
Marker:
1: 699.003 MHz
-7.92dBm
2: 702.030 MHz
-7.92dBm
3: 700.878 MHz
18.08dBm
Trace
Level (dBm)
Frequency (MHz)
696.0
705.0

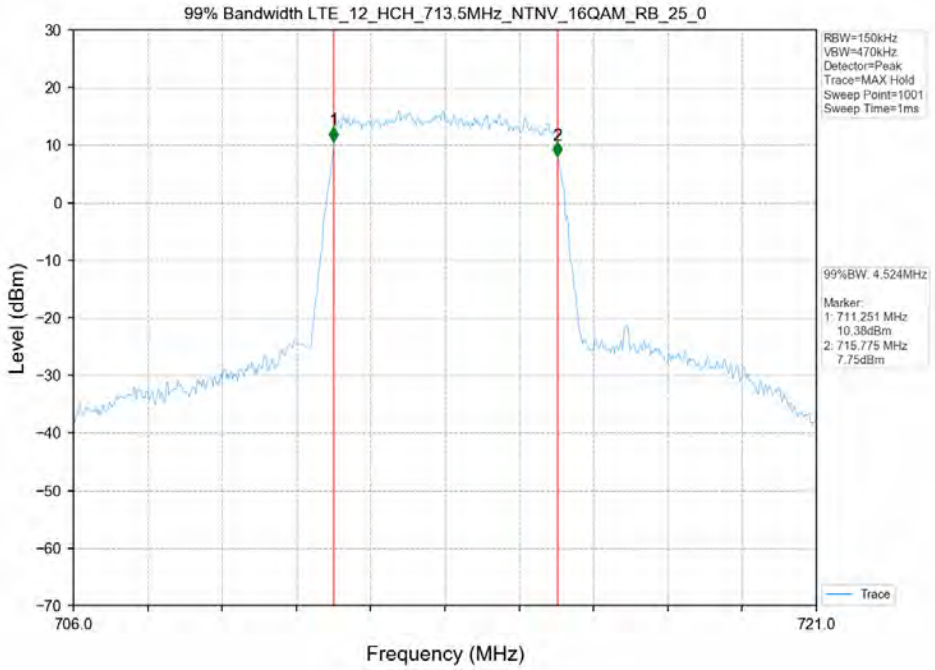


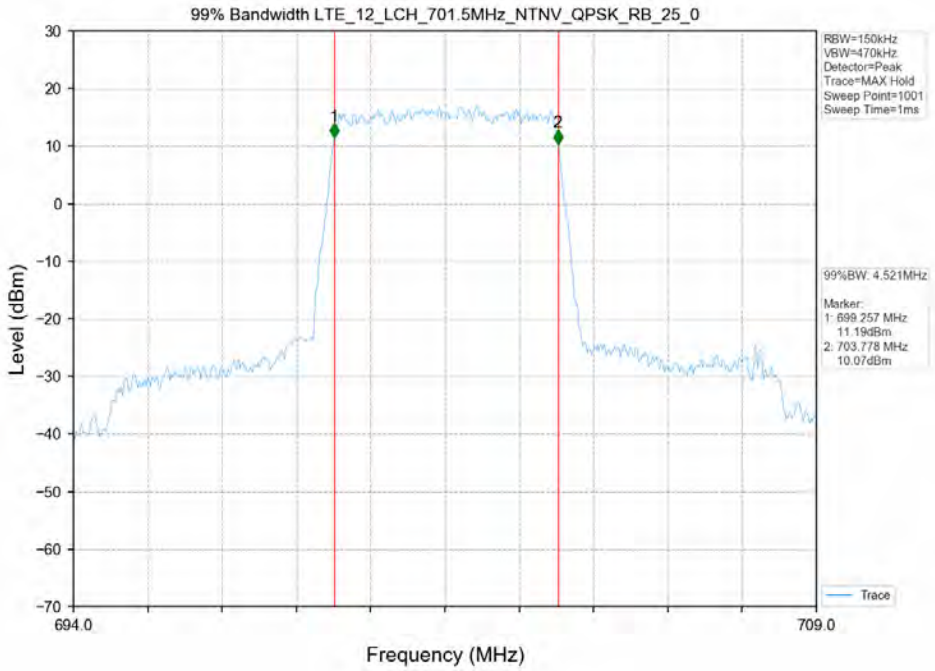


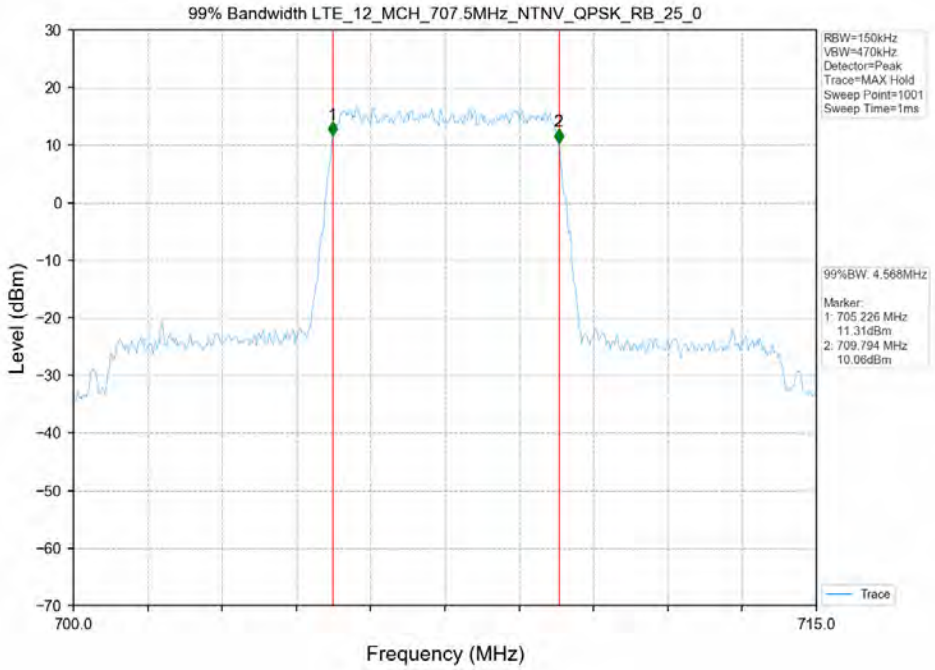
Test Band: 12 _ 5MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
16QAM	25	0	4.550	4.550	4.520	N/A	PASS
QPSK	25	0	4.520	4.570	4.540	N/A	PASS

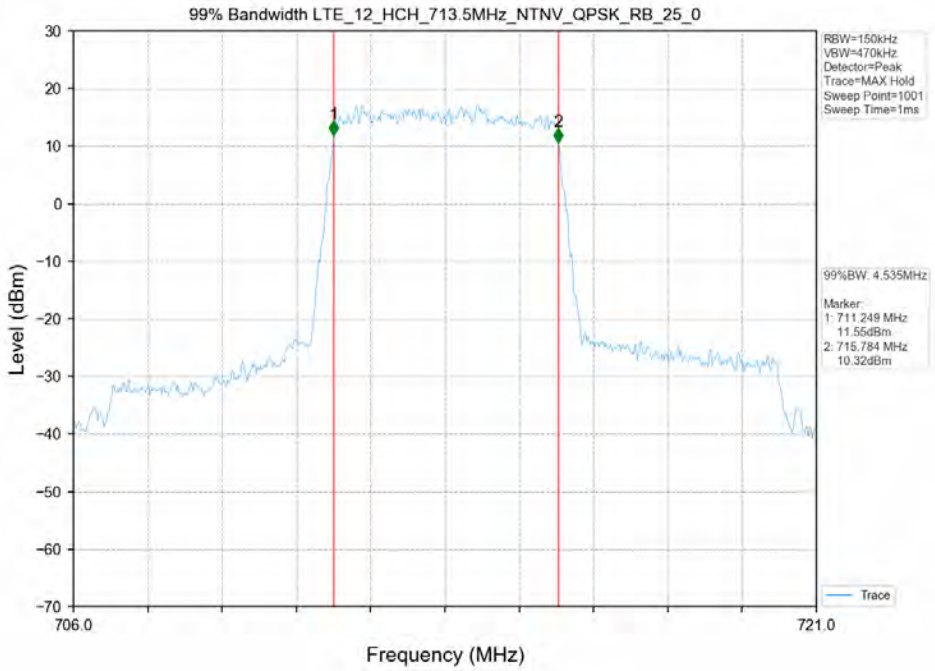

99% Bandwidth LTE_12_LCH_701.5MHz_NTNV_16QAM_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 4.549MHz
Marker:
1: 699.244 MHz
9.89dBm
2: 703.793 MHz
8.33dBm
Trace
Level (dBm)
Frequency (MHz)
694.0
709.0


99% Bandwidth LTE_12_MCH_707.5MHz_NTNV_16QAM_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 4.553MHz
Marker:
1: 705.232 MHz
10.40dBm
2: 709.785 MHz
9.38dBm
Trace
Level (dBm)
Frequency (MHz)
700.0
715.0

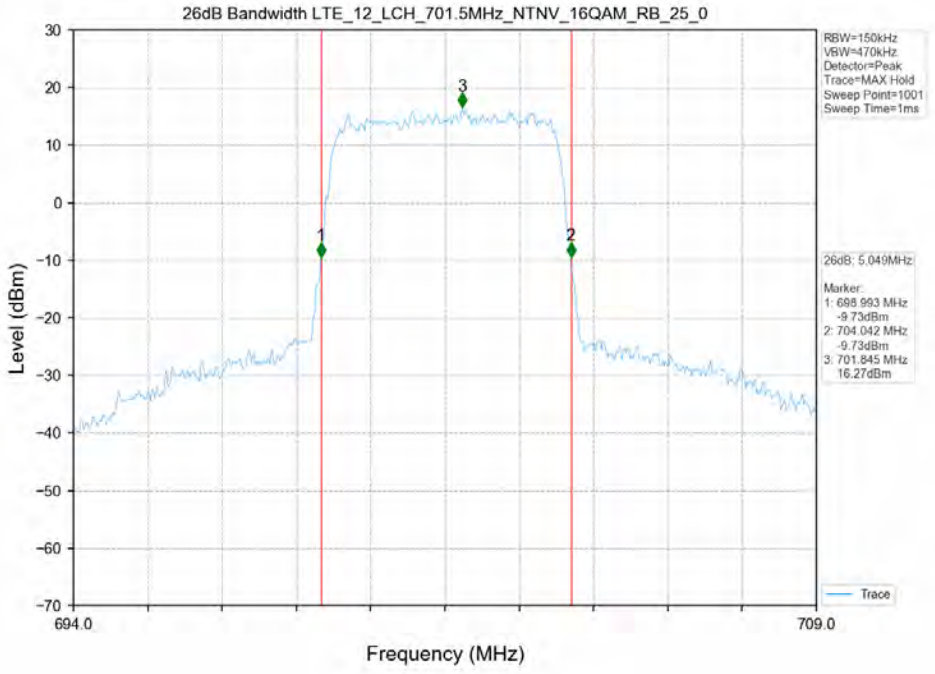

99% Bandwidth LTE_12_HCH_713.5MHz_NTNV_16QAM_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 4.524MHz
Marker:
1: 711.251 MHz
10.38dBm
2: 715.775 MHz
7.75dBm
Trace
Level (dBm)
Frequency (MHz)
706.0
721.0

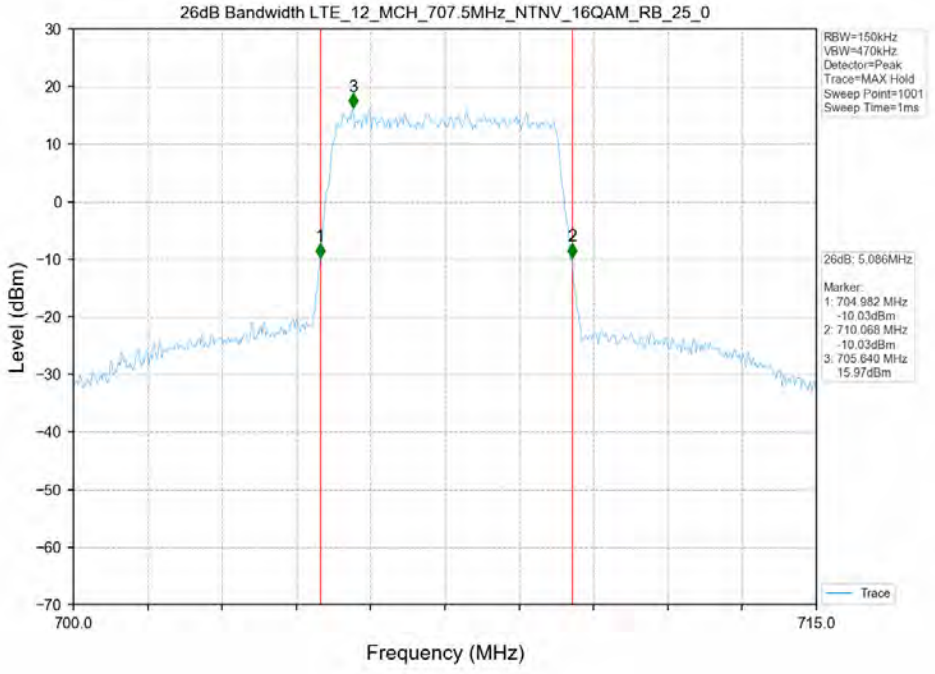

99% Bandwidth LTE_12_LCH_701.5MHz_NTNV_QPSK_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 4.521MHz
Marker:
1: 699.257 MHz
11.19dBm
2: 703.778 MHz
10.07dBm
Trace
Level (dBm)
Frequency (MHz)
694.0
709.0

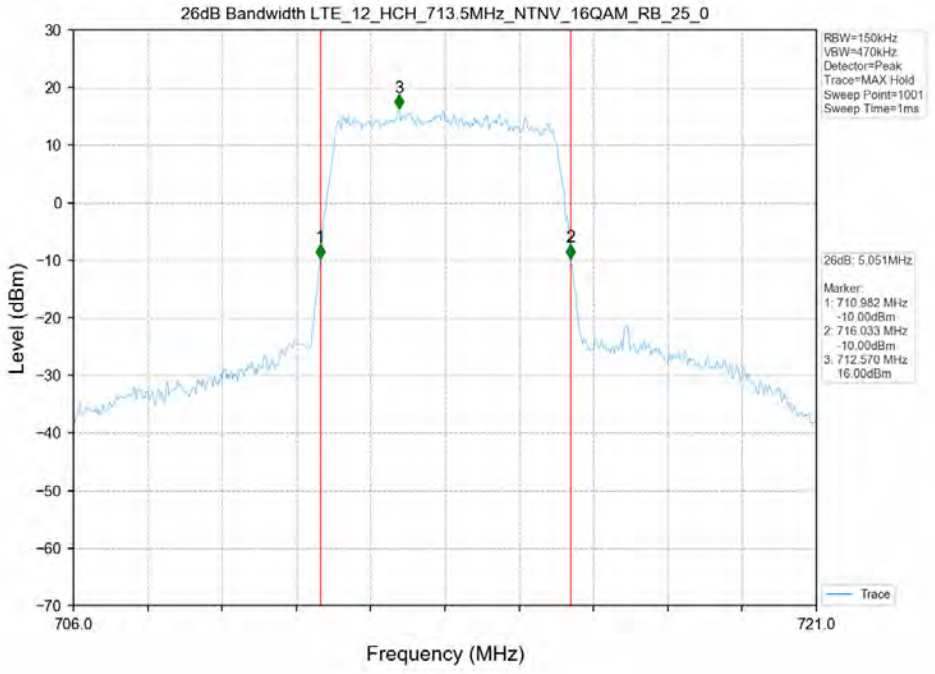


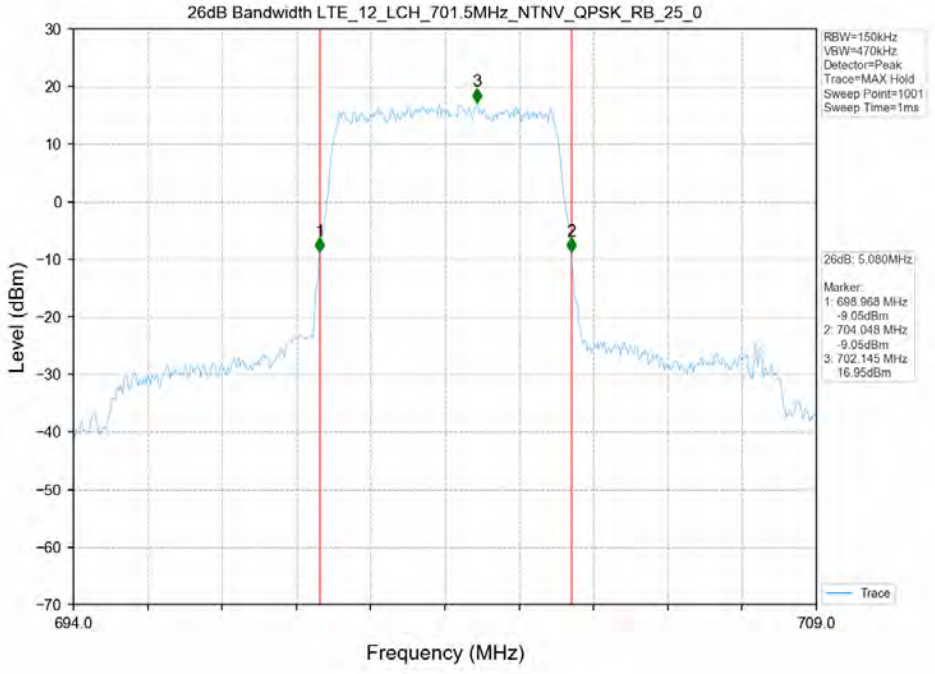


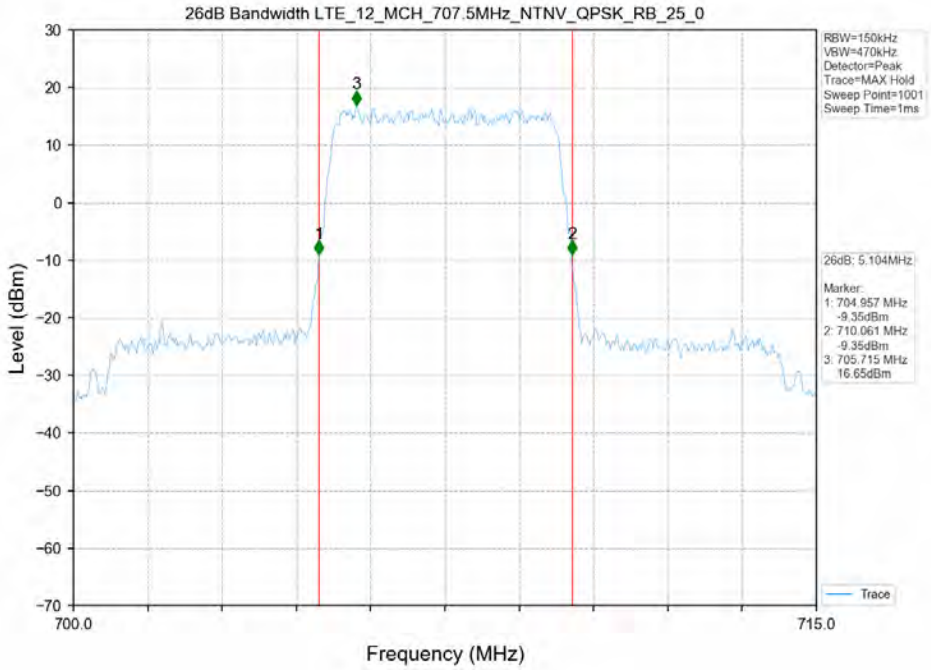
Test Band: 12 _ 5MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
16QAM	25	0	5.050	5.090	5.050	N/A	PASS
QPSK	25	0	5.080	5.100	5.040	N/A	PASS

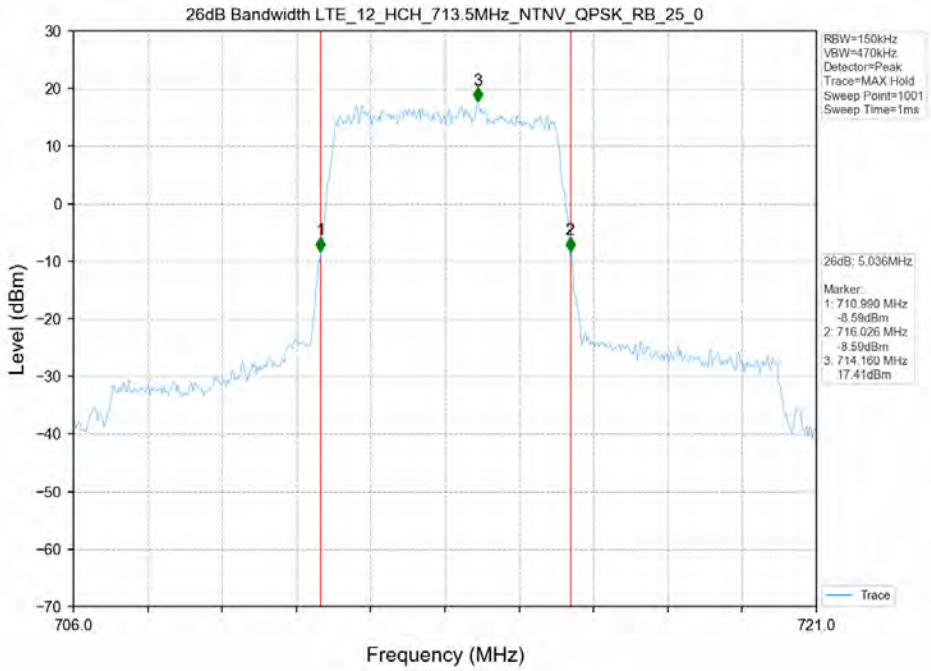

26dB Bandwidth LTE_12_LCH_701.5MHz_NTNV_16QAM_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 5.049MHz
Marker:
1: 698.993 MHz
-9.73dBm
2: 704.042 MHz
-9.73dBm
3: 701.845 MHz
16.27dBm
Trace
Level (dBm)
Frequency (MHz)
694.0
709.0


26dB Bandwidth LTE_12_MCH_707.5MHz_NTNV_16QAM_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 5.086MHz
Marker:
1: 704.982 MHz
-10.03dBm
2: 710.068 MHz
-10.03dBm
3: 705.640 MHz
15.97dBm
Trace
Level (dBm)
Frequency (MHz)
700.0
715.0


26dB Bandwidth LTE_12_HCH_713.5MHz_NTNV_16QAM_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 5.051MHz
Marker:
1: 710.982 MHz
-10.00dBm
2: 716.033 MHz
-10.00dBm
3: 712.570 MHz
16.00dBm
Trace
Level (dBm)
Frequency (MHz)
706.0
721.0

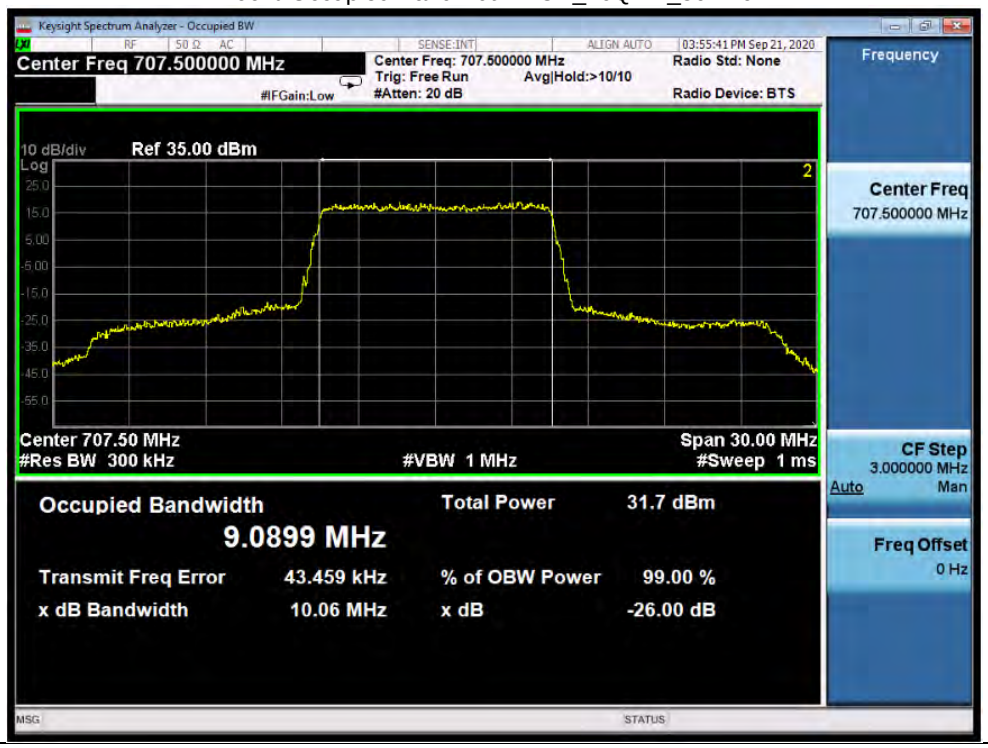

26dB Bandwidth LTE_12_LCH_701.5MHz_NTNV_QPSK_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 5.080MHz
Marker:
1: 698.968 MHz
-9.05dBm
2: 704.048 MHz
-9.05dBm
3: 702.145 MHz
16.95dBm
Trace
Level (dBm)
Frequency (MHz)
694.0
709.0



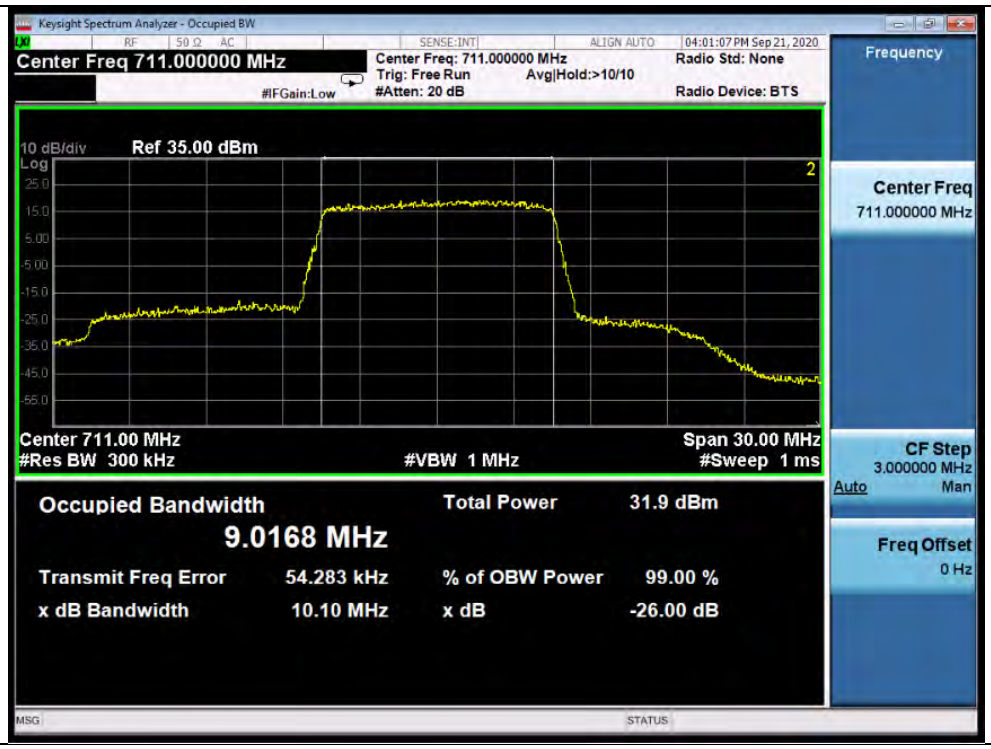


Test Band: 12 _ 10MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
16QAM	50	0	9.0352	9.0899	9.0168	N/A	PASS
QPSK	50	0	9.0151	9.0585	8.9924	N/A	PASS
99% Occupied Bandwidth-LCH_16QAM_50RB0							

99% Occupied Bandwidth-MCH_16QAM_50RB0



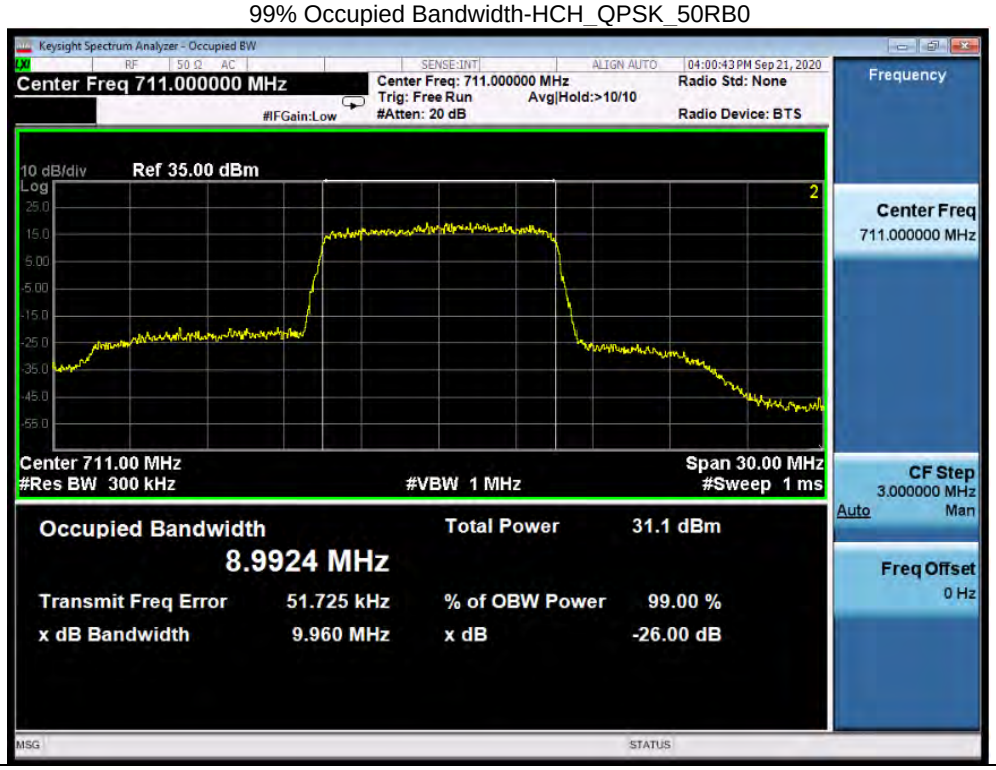
99% Occupied Bandwidth-HCH_16QAM_50RB0



99% Occupied Bandwidth-LCH_QPSK_50RB0

99% Occupied Bandwidth-MCH_QPSK_50RB0

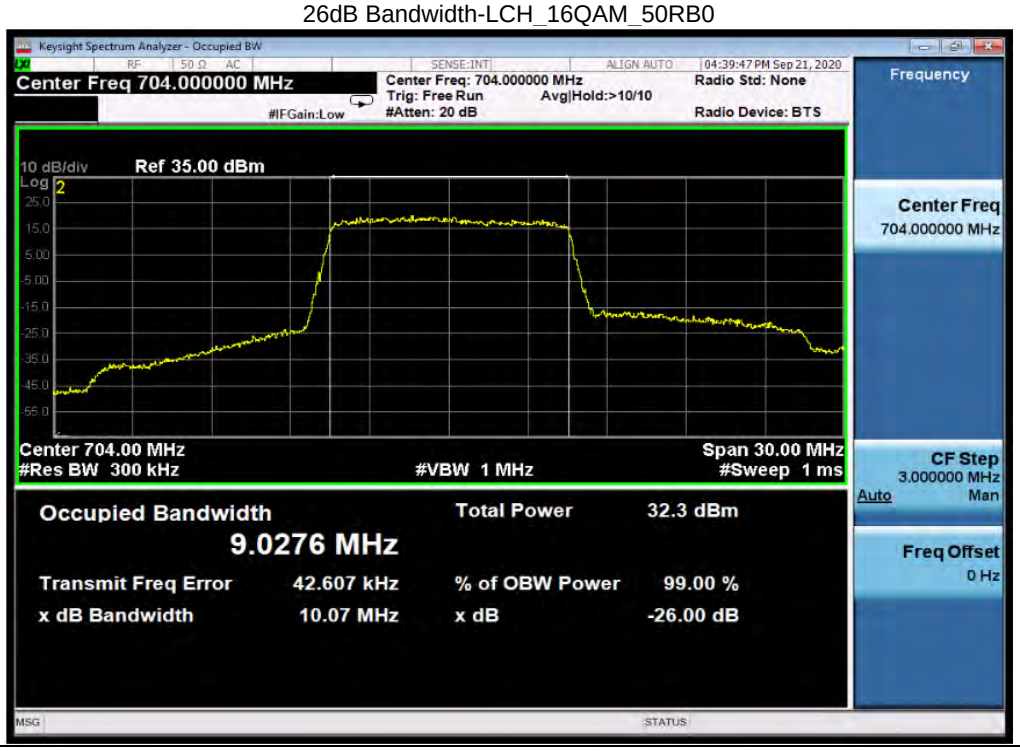
99% Occupied Bandwidth-HCH_QPSK_50RB0



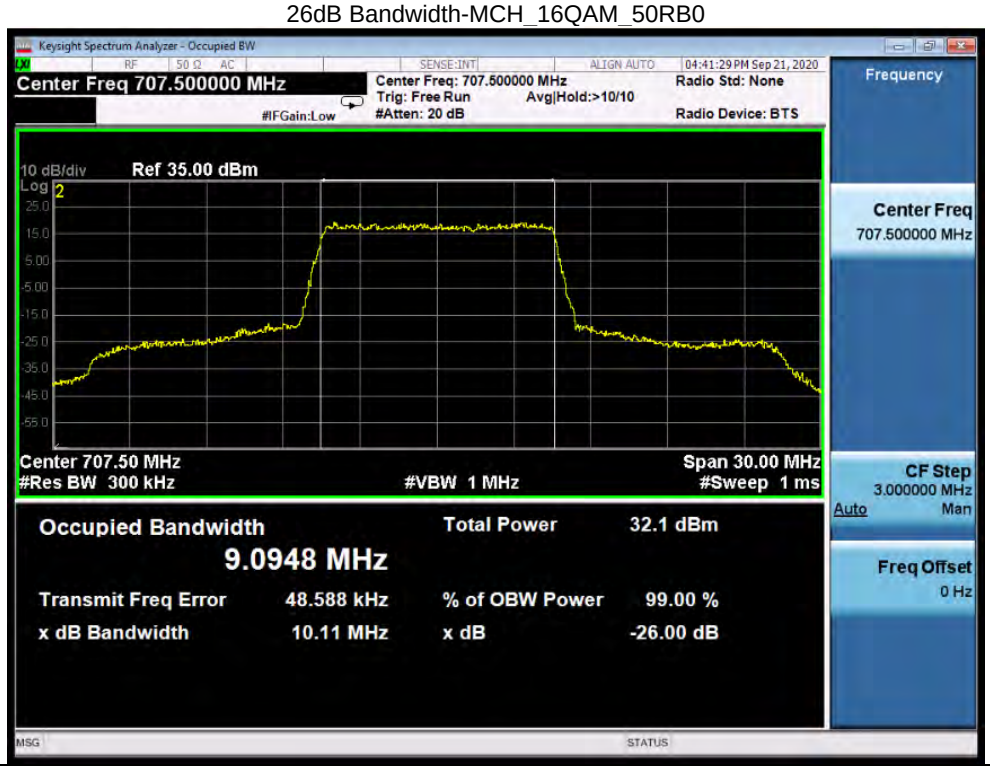
Test Band: 12 _ 10MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
16QAM	50	0	10.07	10.11	9.874	N/A	PASS

QPSK	50	0	10.10	10.17	10.10	N/A	PASS

26dB Bandwidth-LCH_16QAM_50RB0



26dB Bandwidth-MCH_16QAM_50RB0

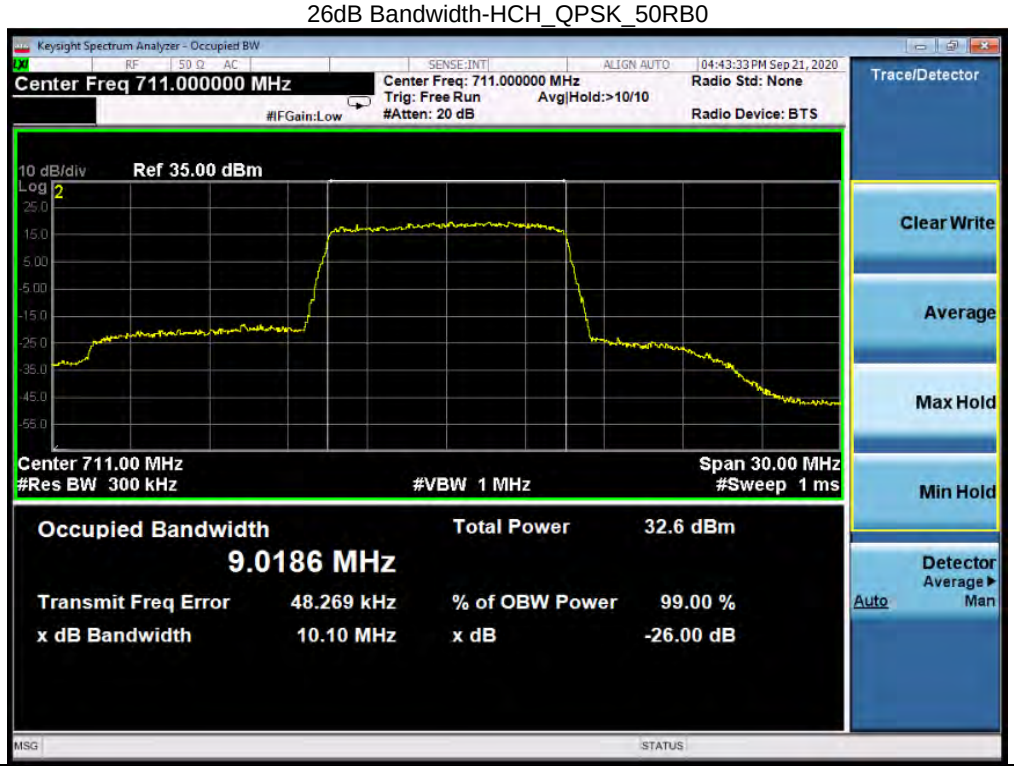


26dB Bandwidth-HCH_16QAM_50RB0

26dB Bandwidth-LCH_QPSK_50RB0

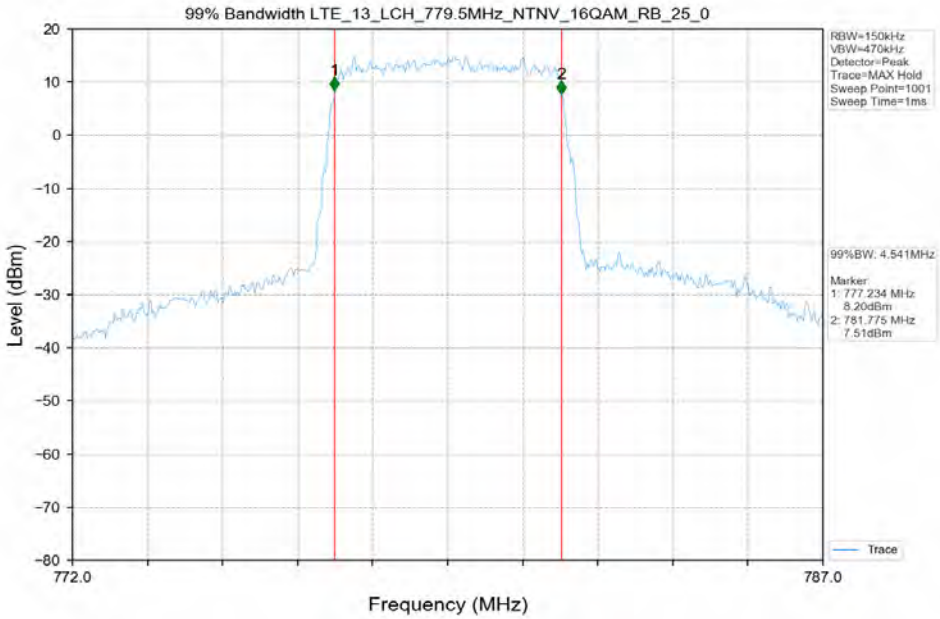
26dB Bandwidth-MCH_QPSK_50RB0

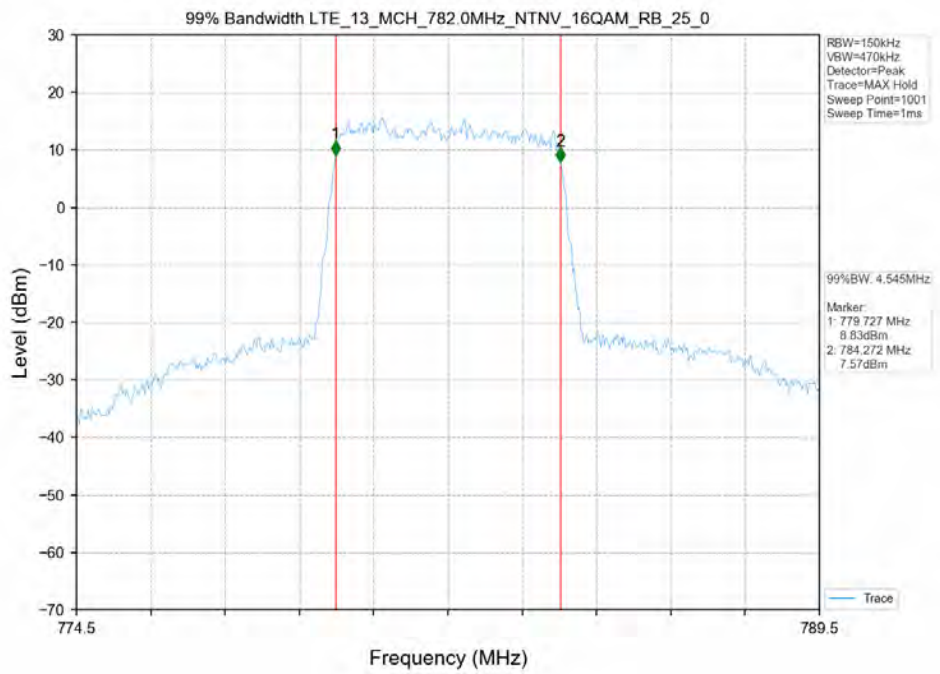
26dB Bandwidth-HCH_QPSK_50RB0

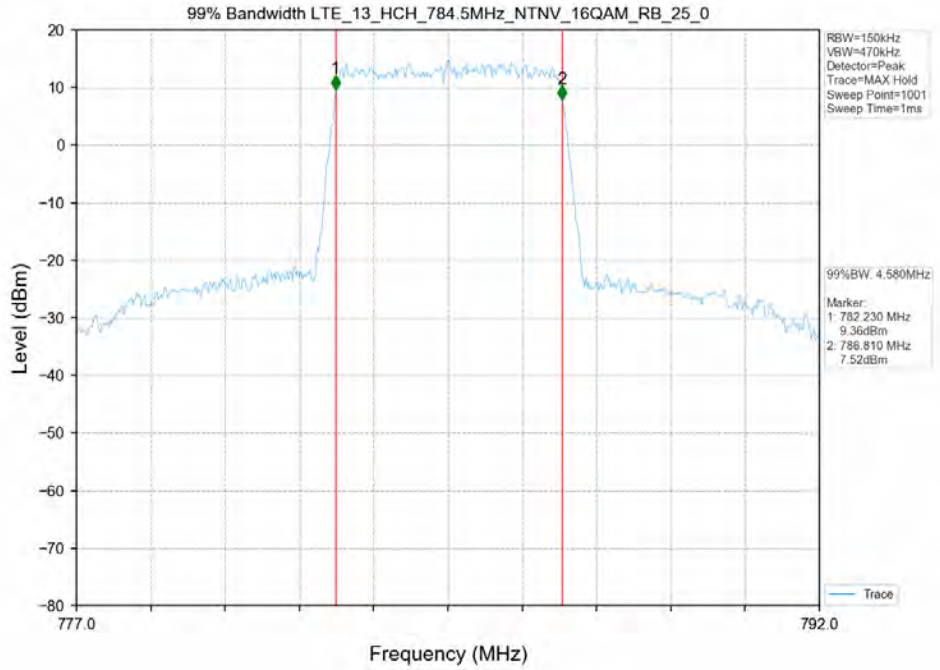


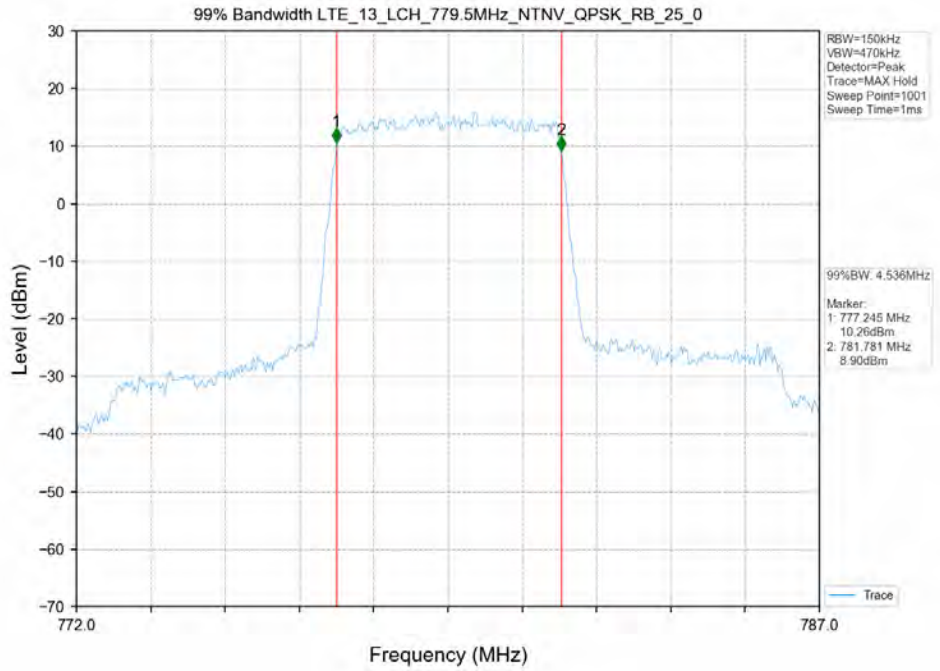
LTE Band 13

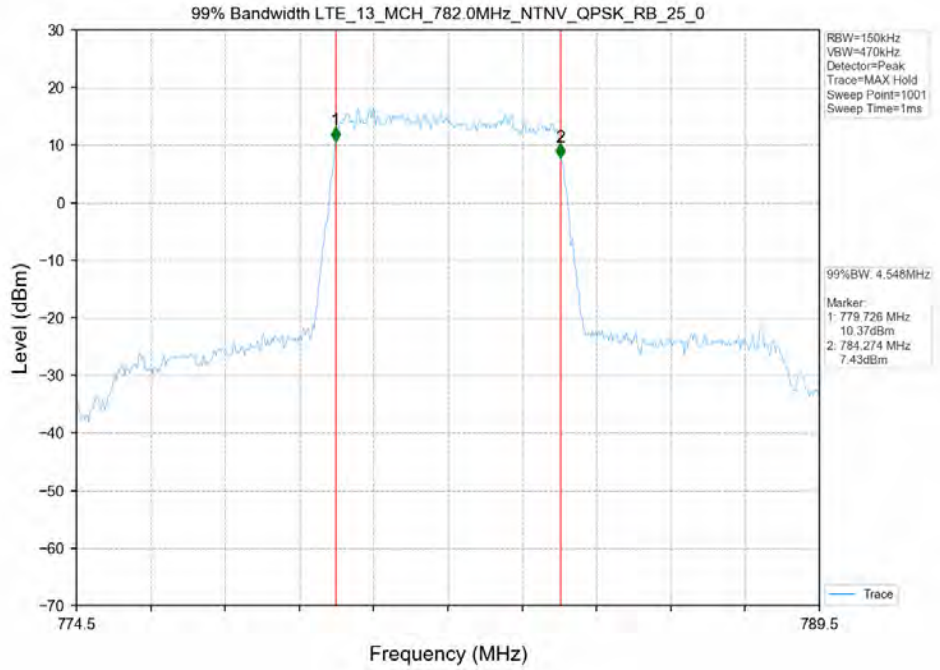
Test Band: 13 _ 5MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
16QAM	25	0	4.540	4.540	4.580	N/A	PASS
QPSK	25	0	4.540	4.550	4.550	N/A	PASS

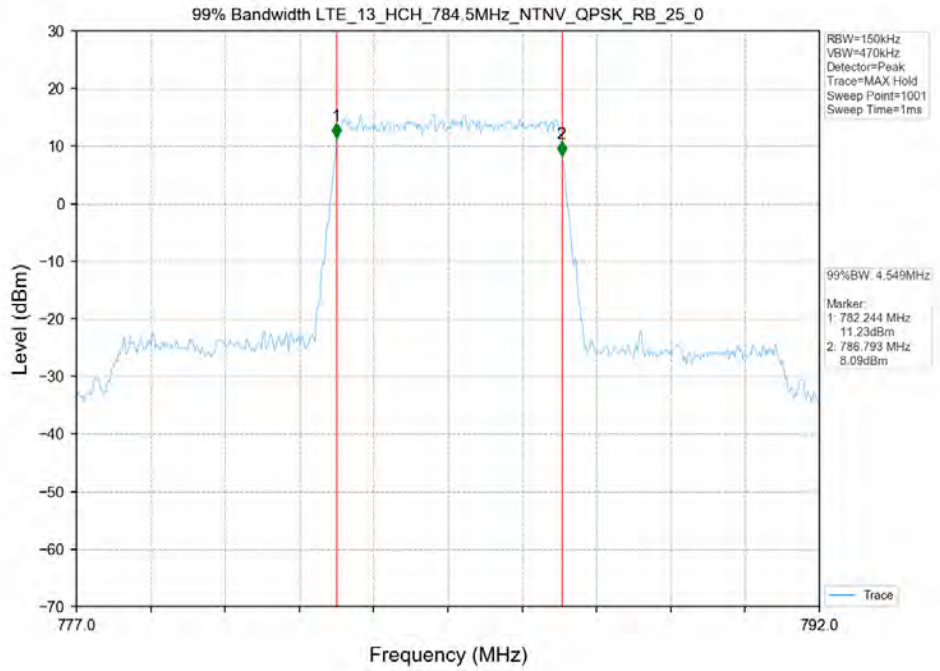




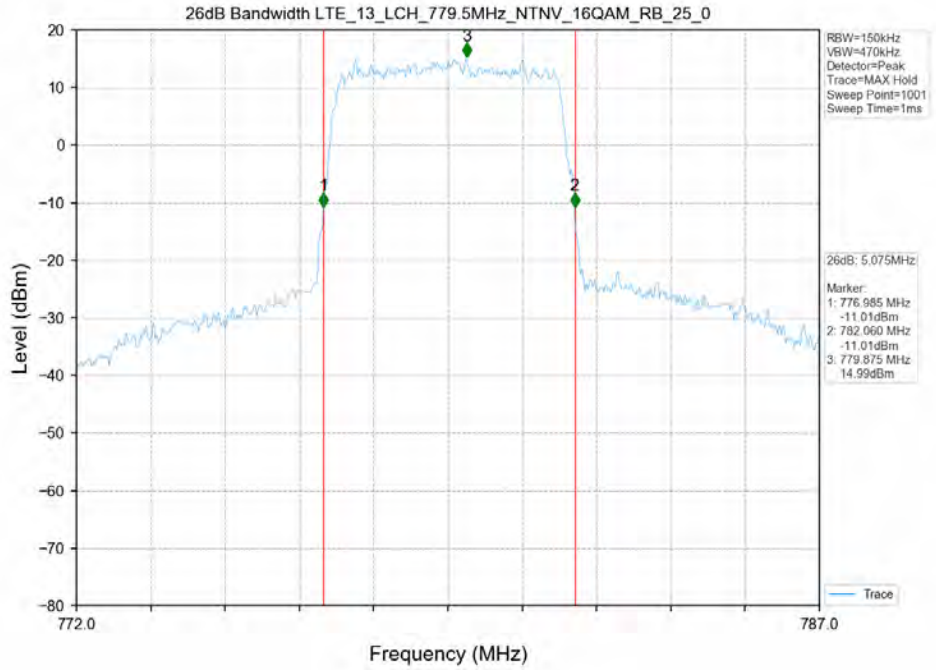

99% Bandwidth LTE_13_HCH_784.5MHz_NTNV_16QAM_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 4.580MHz
Marker:
1: 782.230 MHz
9.36dBm
2: 786.810 MHz
7.52dBm
Trace
Level (dBm)
Frequency (MHz)
777.0
792.0

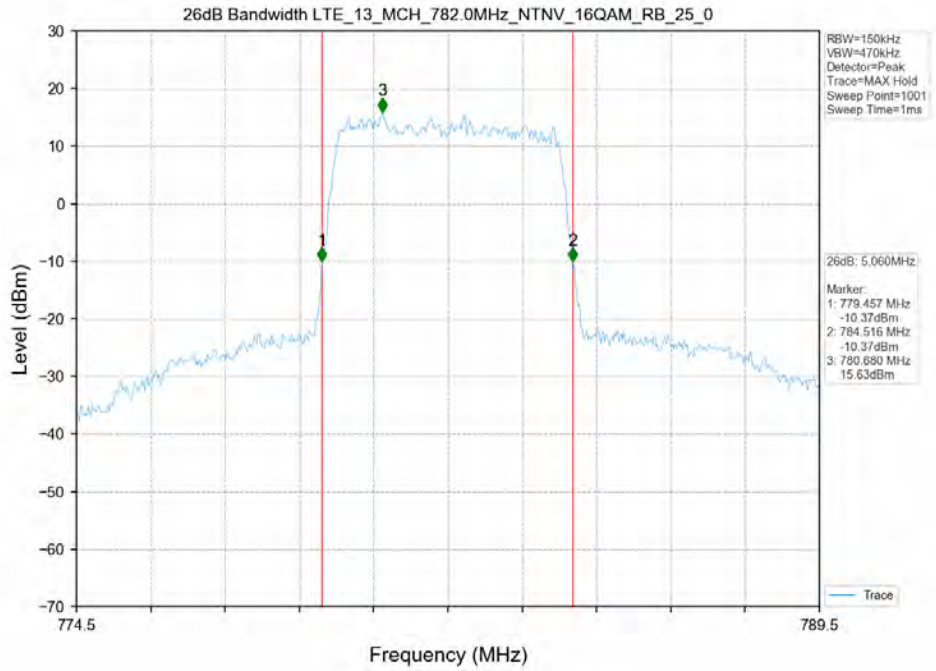

99% Bandwidth LTE_13_LCH_779.5MHz_NTNV_QPSK_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 4.536MHz
Marker:
1: 777.245 MHz
10.26dBm
2: 781.781 MHz
8.90dBm
Trace
Level (dBm)
Frequency (MHz)
772.0
787.0

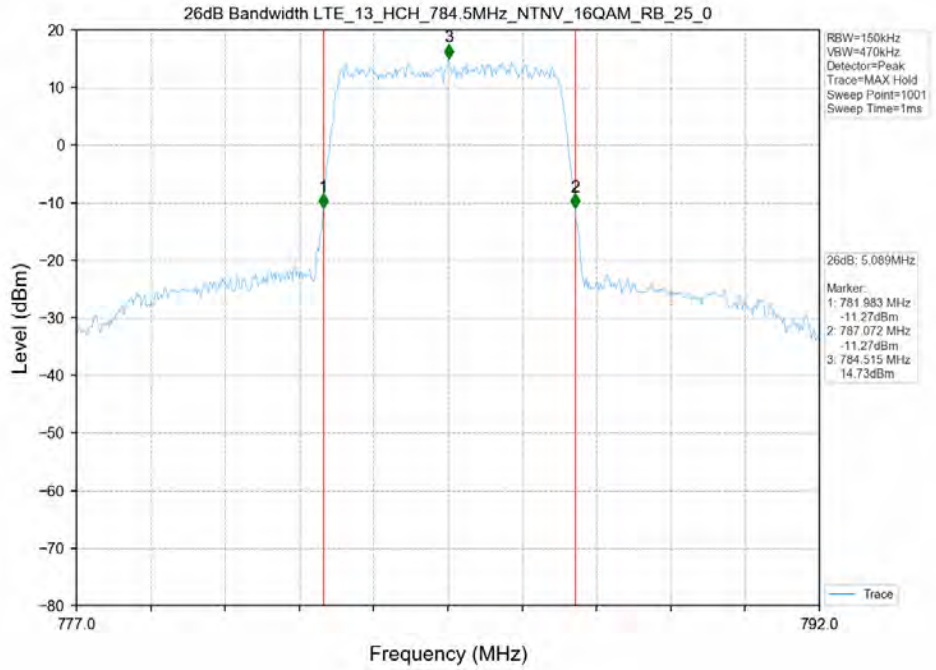


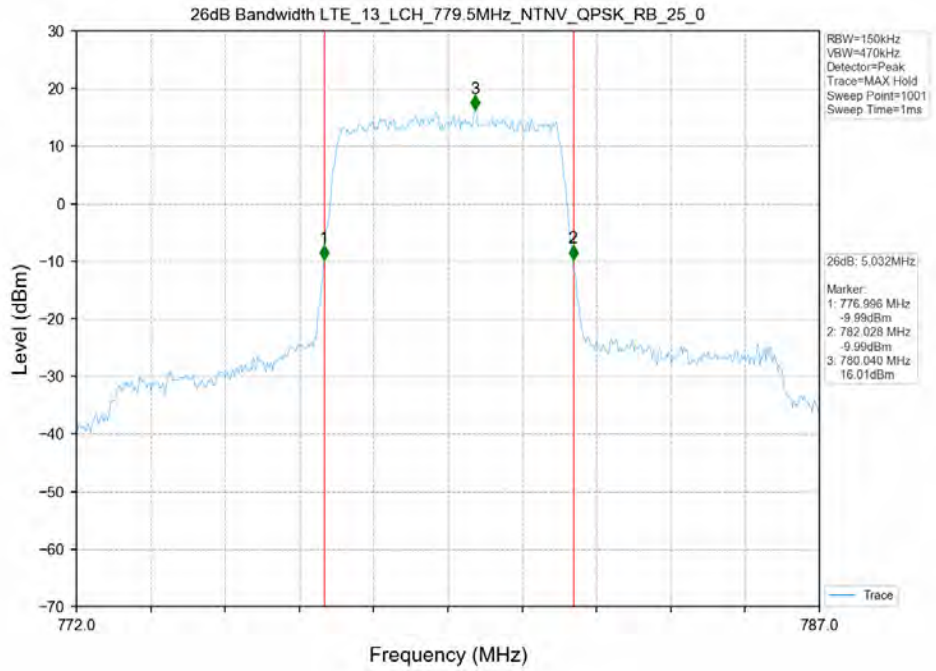


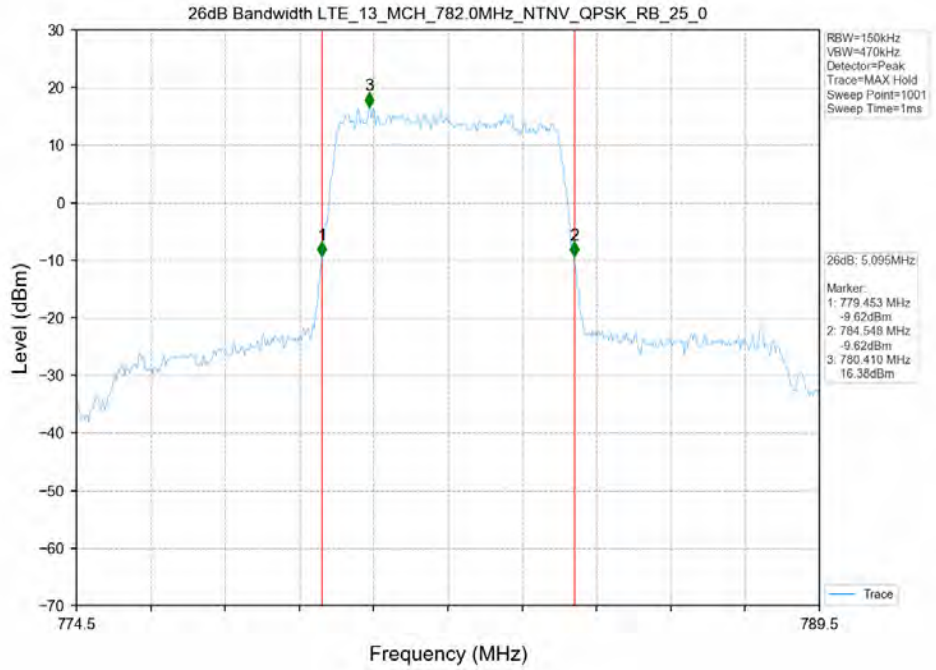
Test Band: 13 _ 5MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
16QAM	25	0	5.080	5.060	5.090	N/A	PASS
QPSK	25	0	5.030	5.090	5.120	N/A	PASS

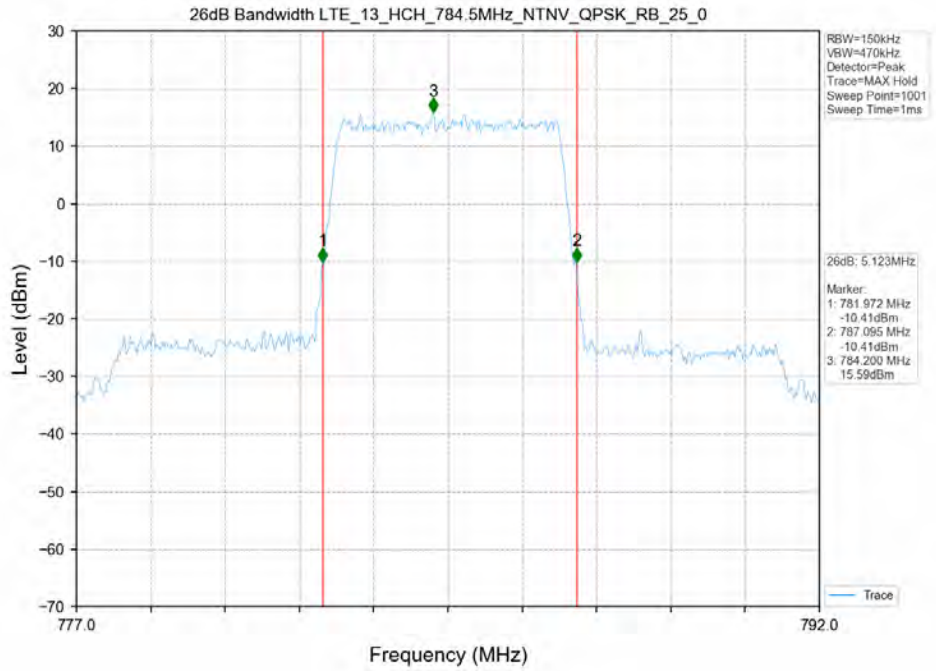

26dB Bandwidth LTE_13_LCH_779.5MHz_NTNV_16QAM_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 5.075MHz
Marker:
1: 776.985 MHz
-11.01dBm
2: 782.060 MHz
-11.01dBm
3: 779.875 MHz
14.99dBm
Trace
Level (dBm)
Frequency (MHz)
772.0
787.0


26dB Bandwidth LTE_13_MCH_782.0MHz_NTNV_16QAM_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 5.060MHz
Marker:
1: 779.457 MHz
-10.37dBm
2: 784.516 MHz
-10.37dBm
3: 780.680 MHz
15.63dBm
Trace
Level (dBm)
Frequency (MHz)
774.5
789.5

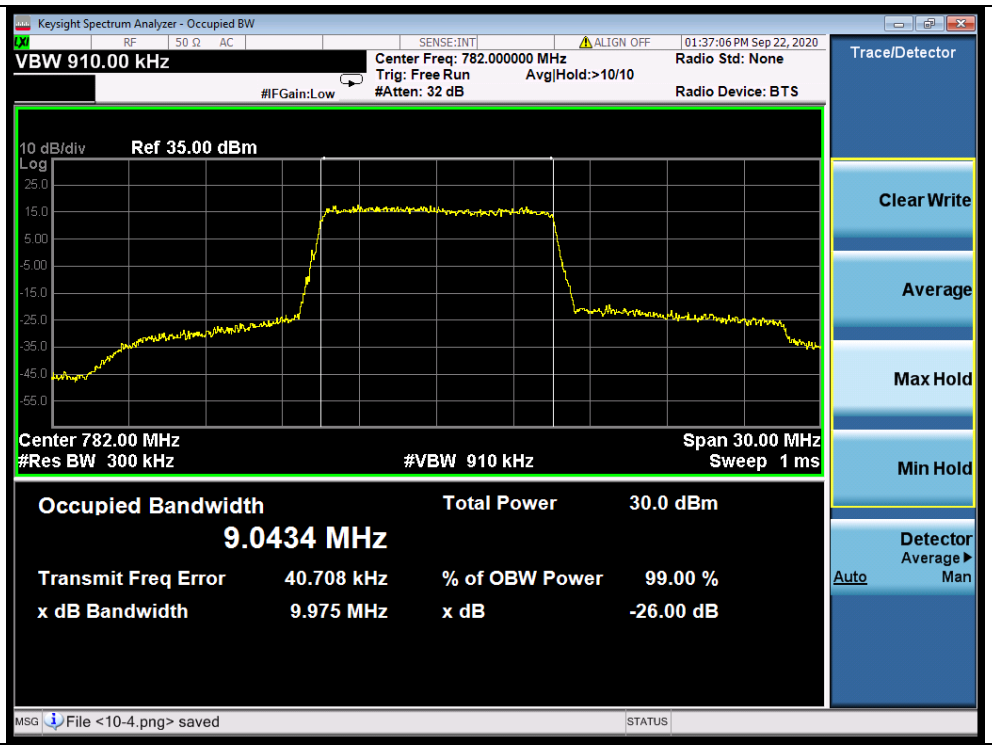

26dB Bandwidth LTE_13_HCH_784.5MHz_NTNV_16QAM_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 5.089MHz
Marker:
1: 781.983 MHz
-11.27dBm
2: 787.072 MHz
-11.27dBm
3: 784.515 MHz
14.73dBm
Trace
Level (dBm)
Frequency (MHz)
777.0
792.0


26dB Bandwidth LTE_13_LCH_779.5MHz_NTNV_QPSK_RB_25_0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 5.032MHz
Marker:
1: 776.996 MHz
-9.99dBm
2: 782.028 MHz
-9.99dBm
3: 780.040 MHz
16.01dBm
Trace
Level (dBm)
Frequency (MHz)
772.0
787.0





Test Band: 13 _ 10MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
16QAM	50	0	/	9.0434	/	N/A	PASS
QPSK	50	0	/	9.0462	/	N/A	PASS
99% Bandwidth LTE B13_MCH_16QAM_50RB0							



99% Bandwidth LTE B13_MCH_QPSK_50RB0

Test Band: 13 _ 10MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
16QAM	50	0	/	9.980	/	N/A	PASS
QPSK	50	0	/	10.03	/	N/A	PASS

26dB Bandwidth LTE B13_MCH_16QAM_50RB0

26dB Bandwidth LTE B13_MCH_QPSK_50RB0