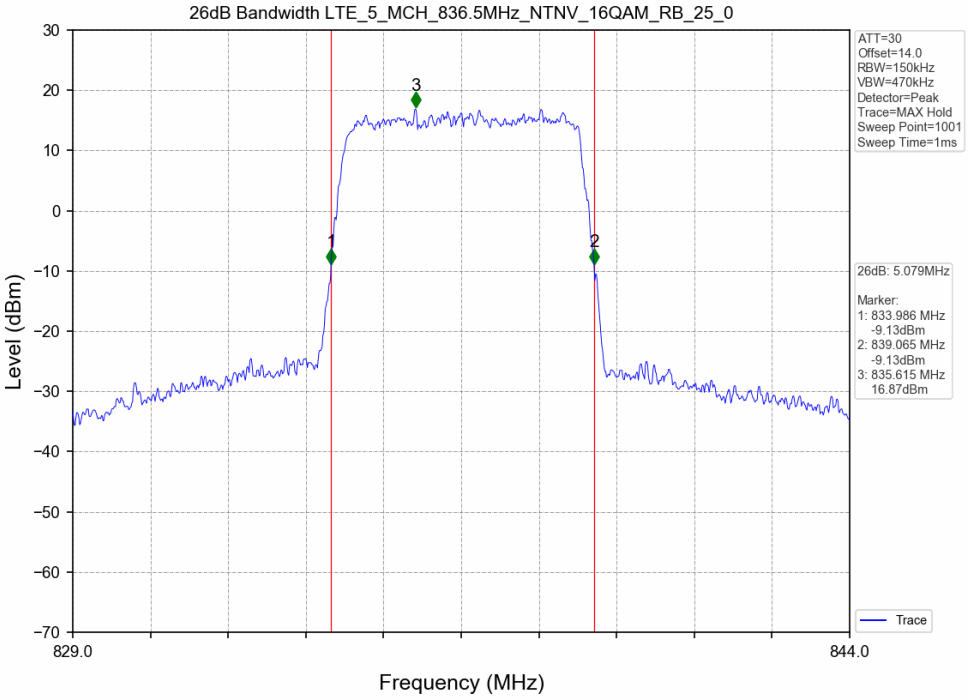
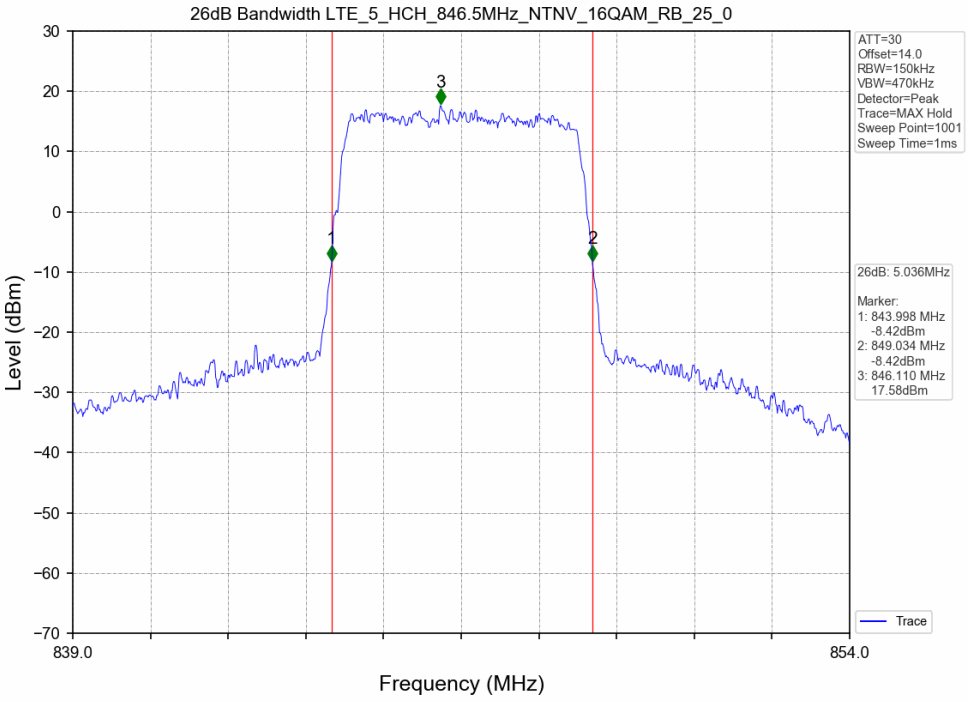
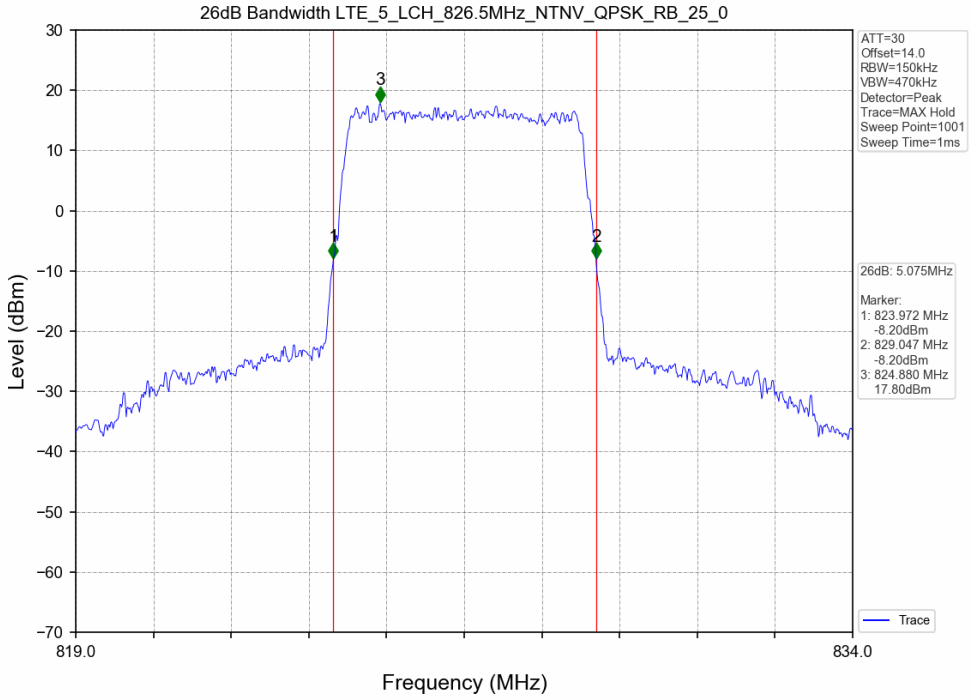
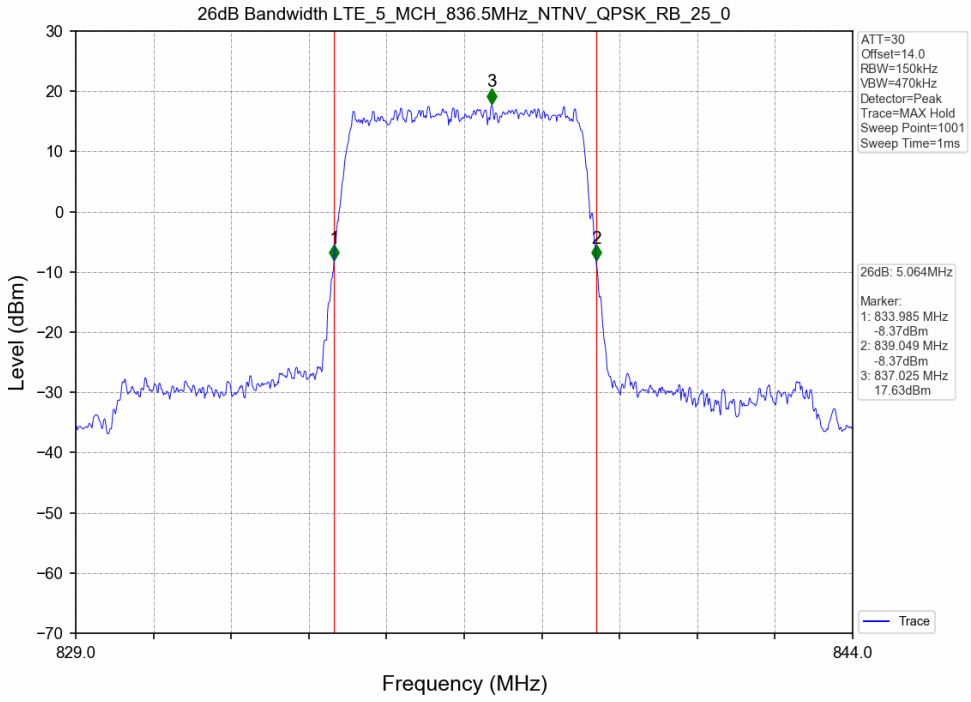
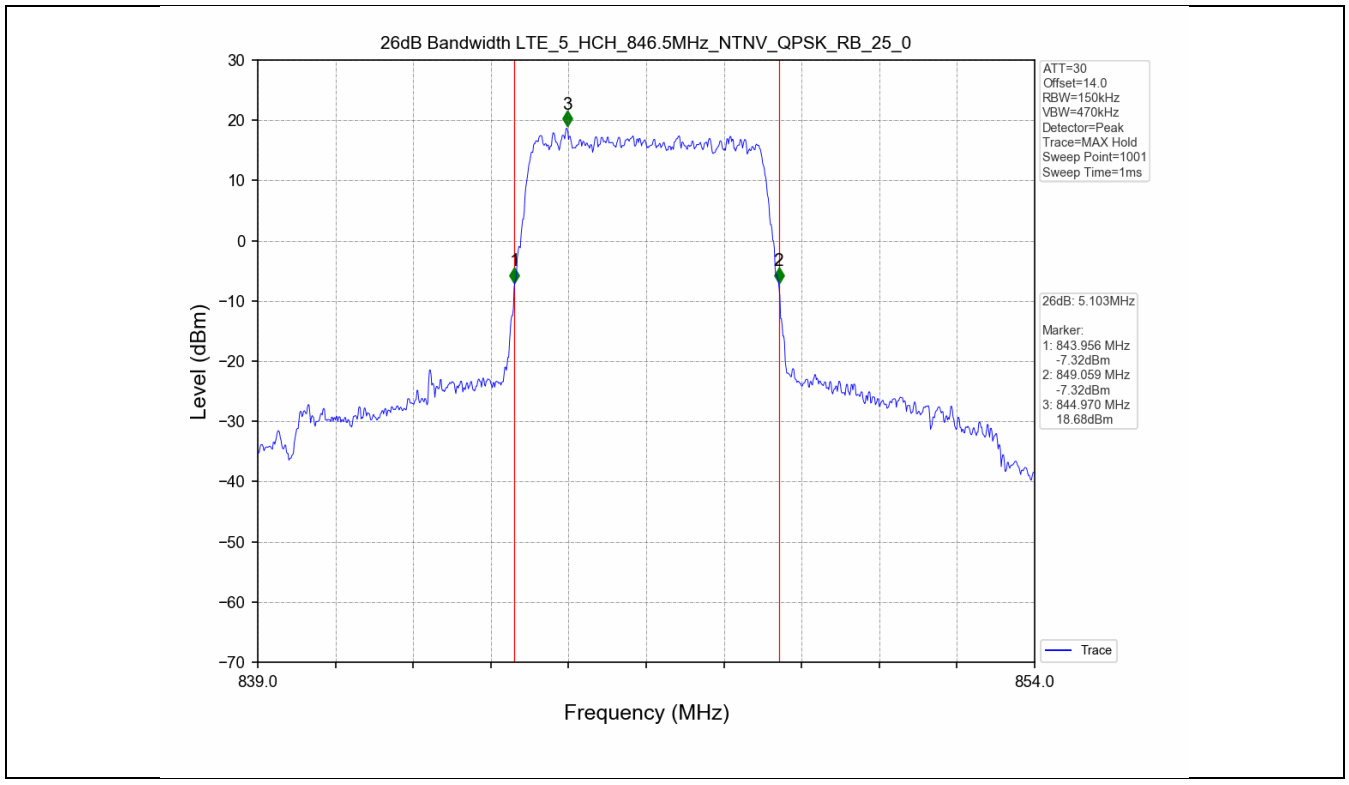

26dB Bandwidth LTE_5_MCH_836.5MHz_NTNV_16QAM_RB_25_0
ATT=30
Offset=14.0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 5.079MHz
Marker:
1: 833.986 MHz
-9.13dBm
2: 839.065 MHz
-9.13dBm
3: 835.615 MHz
16.87dBm
Trace
Level (dBm)
Frequency (MHz)
829.0
844.0


26dB Bandwidth LTE_5_HCH_846.5MHz_NTNV_16QAM_RB_25_0
ATT=30
Offset=14.0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 5.036MHz
Marker:
1: 843.998 MHz
-8.42dBm
2: 849.034 MHz
-8.42dBm
3: 846.110 MHz
17.58dBm
Trace
Level (dBm)
Frequency (MHz)
839.0
854.0

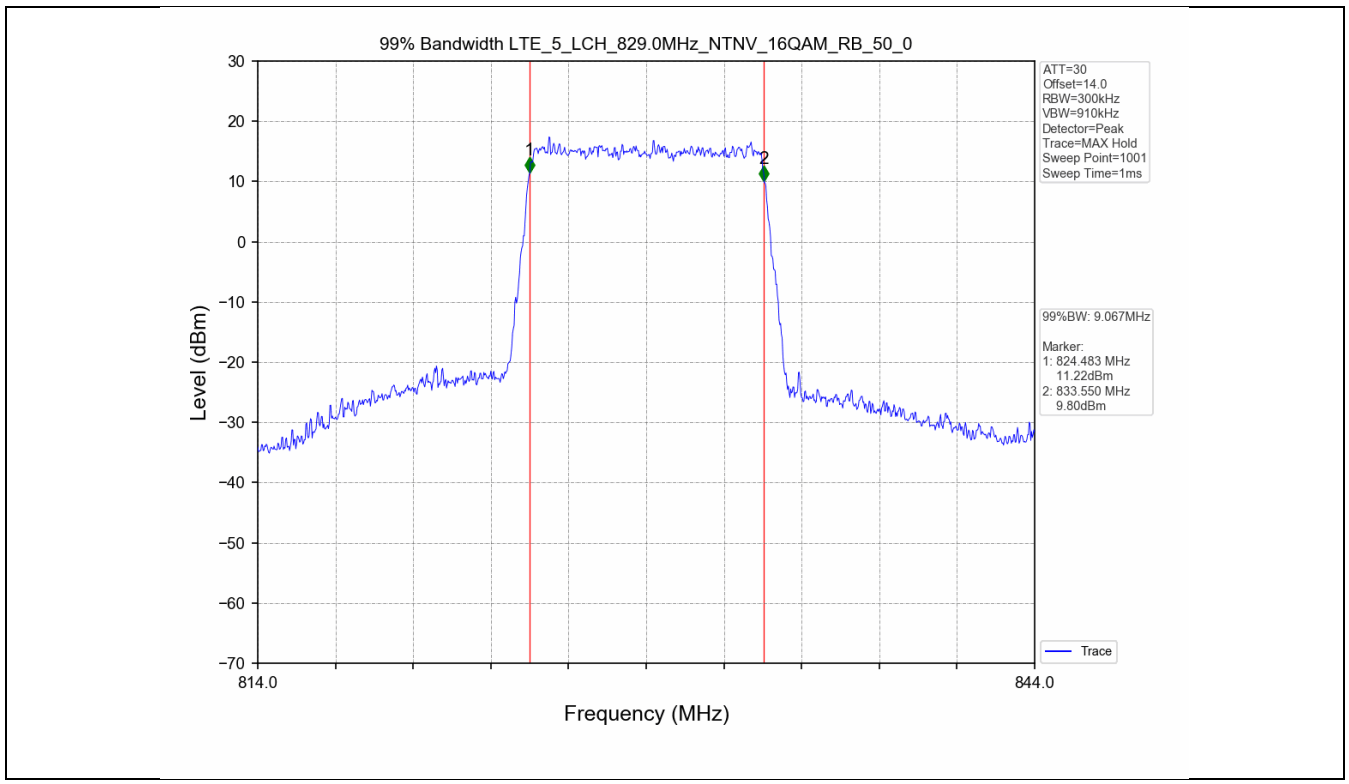

26dB Bandwidth LTE_5_LCH_826.5MHz_NTNV_QPSK_RB_25_0
ATT=30
Offset=14.0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 5.075MHz
Marker:
1: 823.972 MHz
-8.20dBm
2: 829.047 MHz
-8.20dBm
3: 824.880 MHz
17.80dBm
Trace
Level (dBm)
Frequency (MHz)
819.0
834.0

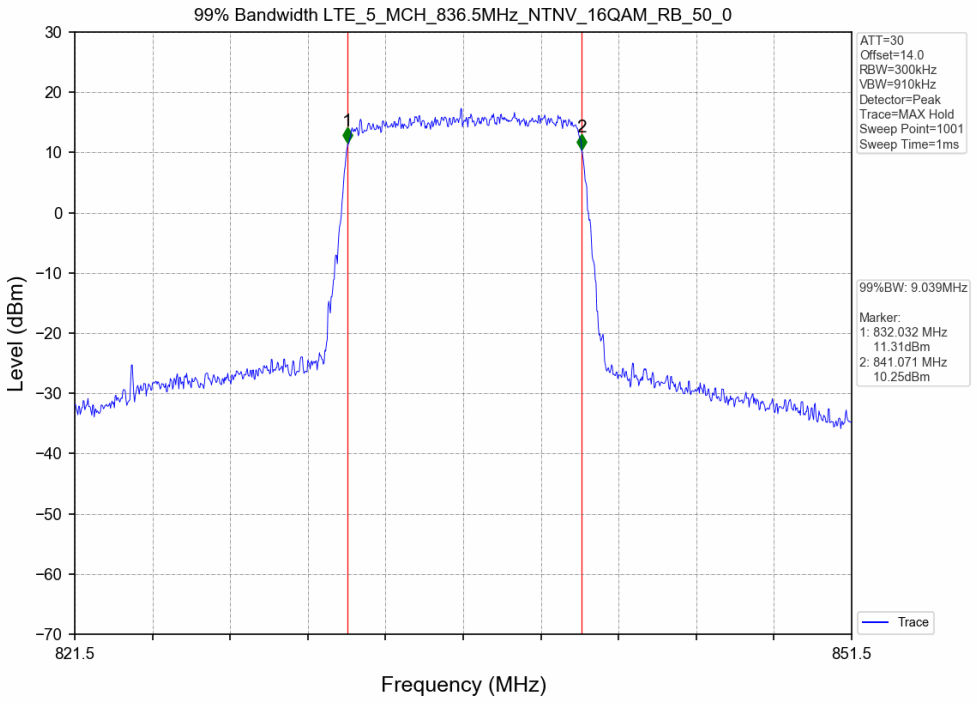

26dB Bandwidth LTE_5_MCH_836.5MHz_NTNV_QPSK_RB_25_0
ATT=30
Offset=14.0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 5.064MHz
Marker:
1: 833.985 MHz
-8.37dBm
2: 839.049 MHz
-8.37dBm
3: 837.025 MHz
17.63dBm
Trace
Level (dBm)
Frequency (MHz)
829.0
844.0

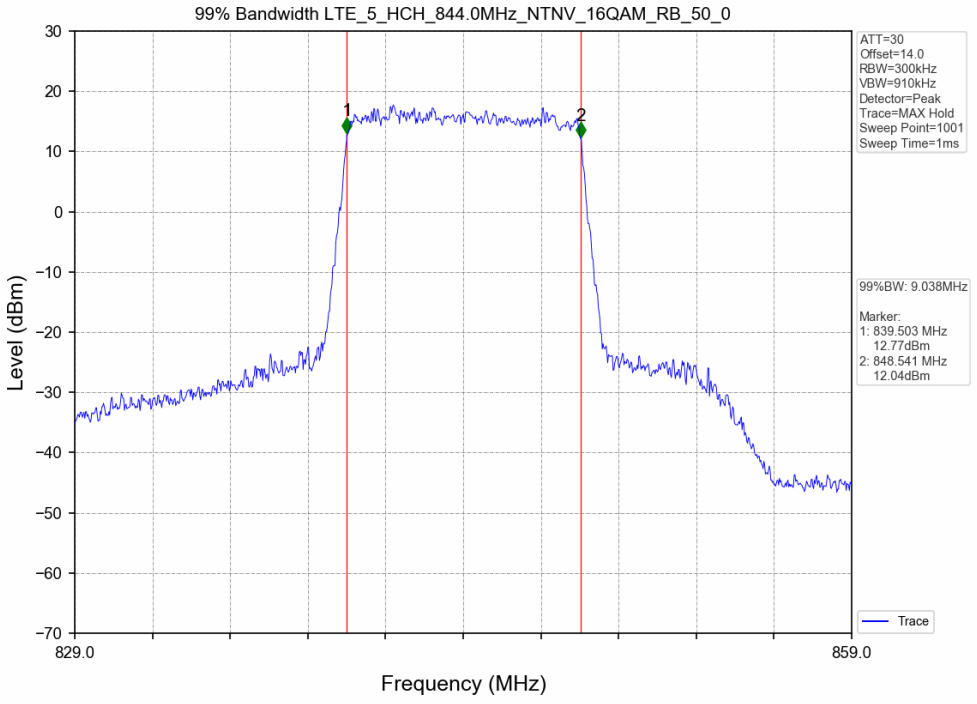

26dB Bandwidth LTE_5_HCH_846.5MHz_NTNV_QPSK_RB_25_0
ATT=30
Offset=14.0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 5.103MHz
Marker:
1: 843.956 MHz
-7.32dBm
2: 849.059 MHz
-7.32dBm
3: 844.970 MHz
18.68dBm
Trace
Level (dBm)
Frequency (MHz)
839.0
854.0

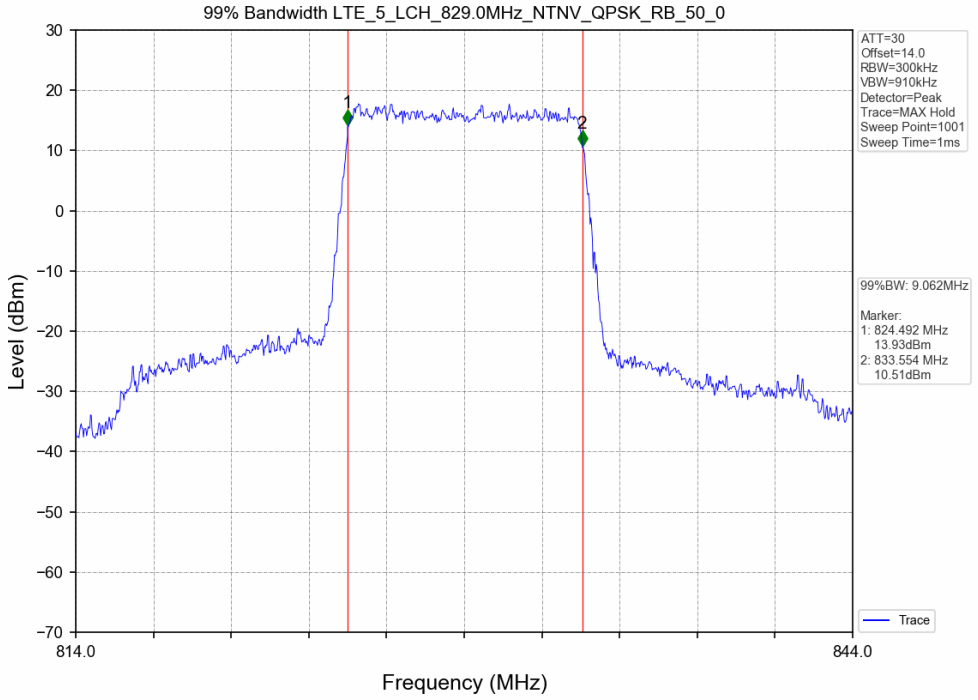
Test Band: 5 _ 10MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	9.062	9.010	9.065	N/A	PASS
16QAM	50	0	9.067	9.039	9.038	N/A	PASS

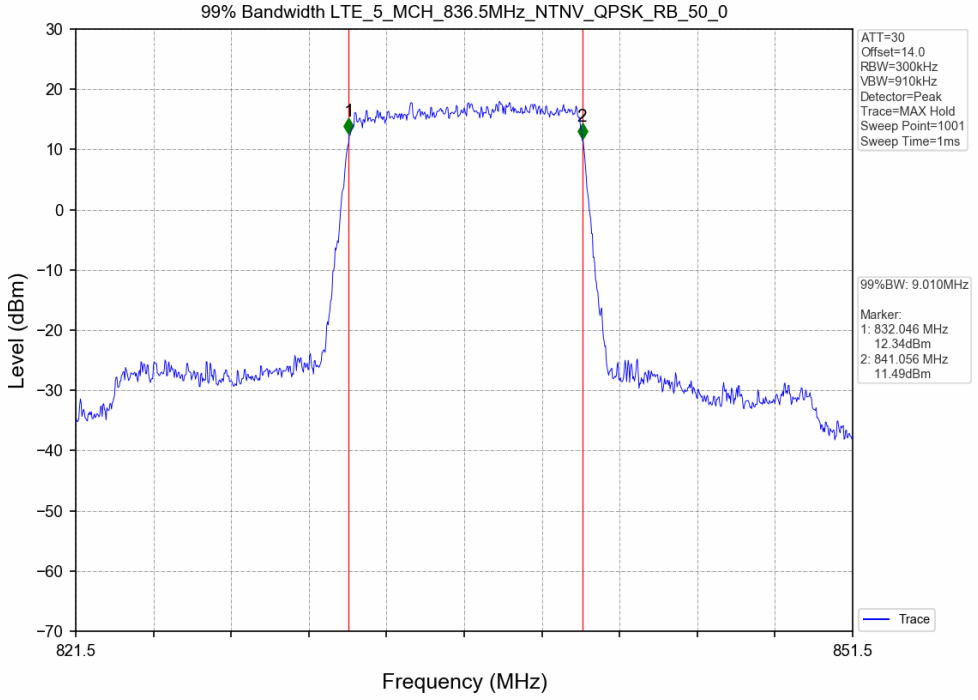
3.2 Test Graph

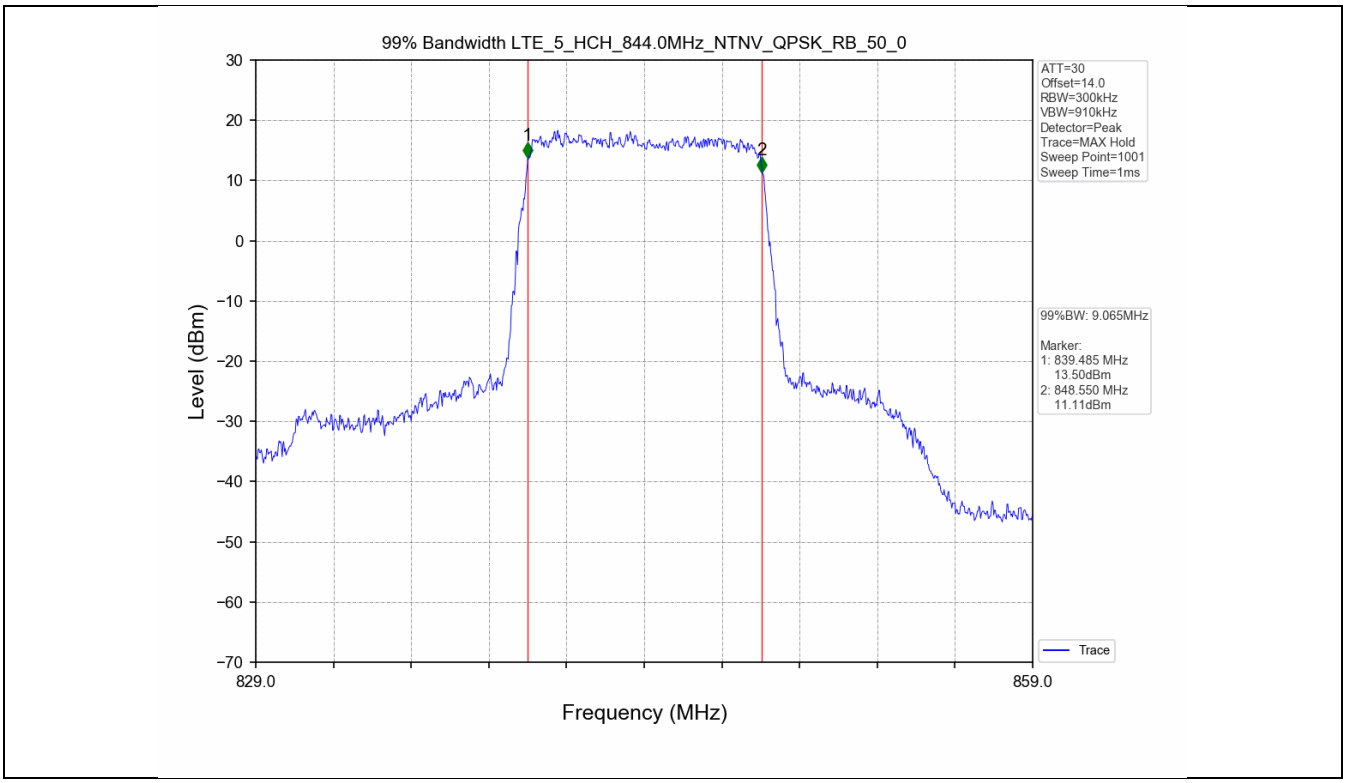



99% Bandwidth LTE_5_MCH_836.5MHz_NTNV_16QAM_RB_50_0
ATT=30
Offset=14.0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 9.039MHz
Marker:
1: 832.032 MHz
11.31dBm
2: 841.071 MHz
10.25dBm
Trace
Level (dBm)
Frequency (MHz)
821.5
851.5


99% Bandwidth LTE_5_HCH_844.0MHz_NTNV_16QAM_RB_50_0
ATT=30
Offset=14.0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 9.038MHz
Marker:
1: 839.503 MHz
12.77dBm
2: 848.541 MHz
12.04dBm
Trace
Level (dBm)
Frequency (MHz)
829.0
859.0

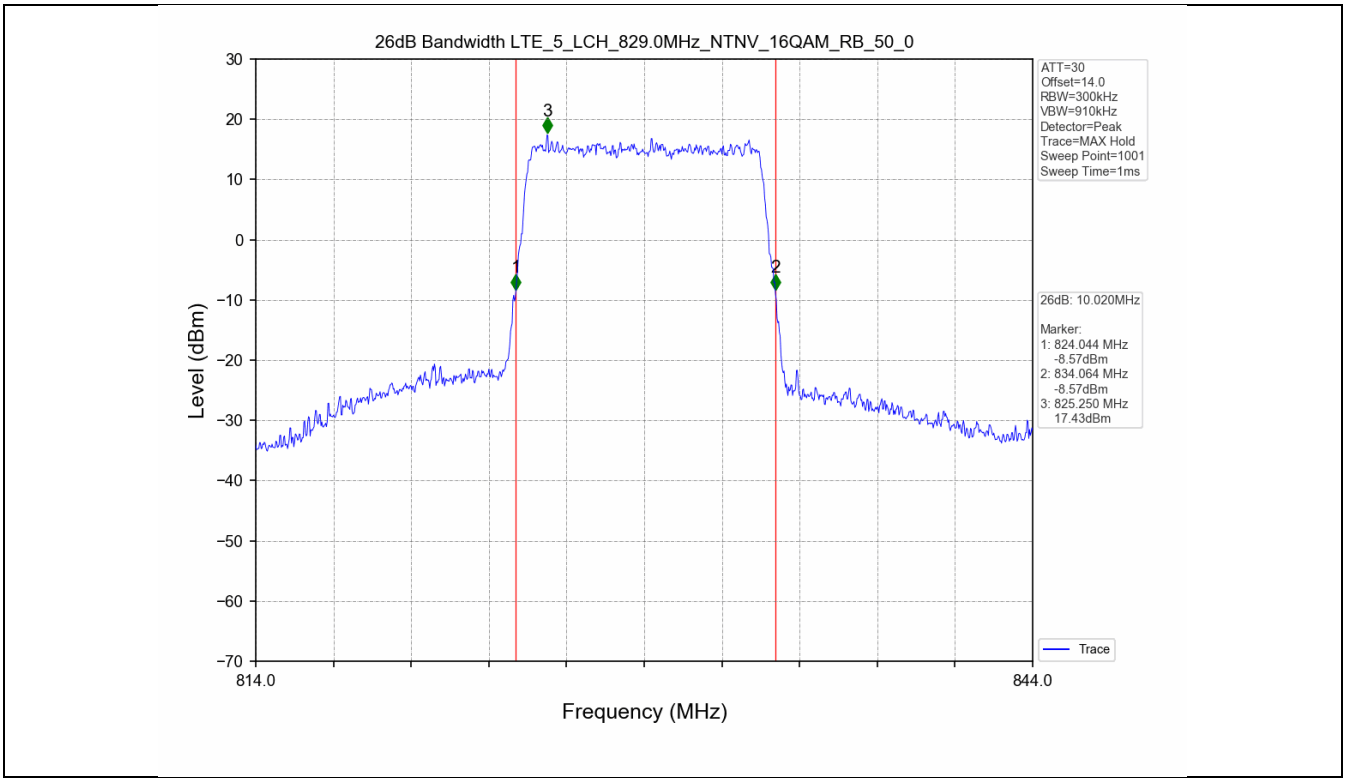

99% Bandwidth LTE_5_LCH_829.0MHz_NTNV_QPSK_RB_50_0
ATT=30
Offset=14.0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 9.062MHz
Marker:
1: 824.492 MHz
13.93dBm
2: 833.554 MHz
10.51dBm
Trace
Level (dBm)
Frequency (MHz)
814.0
844.0

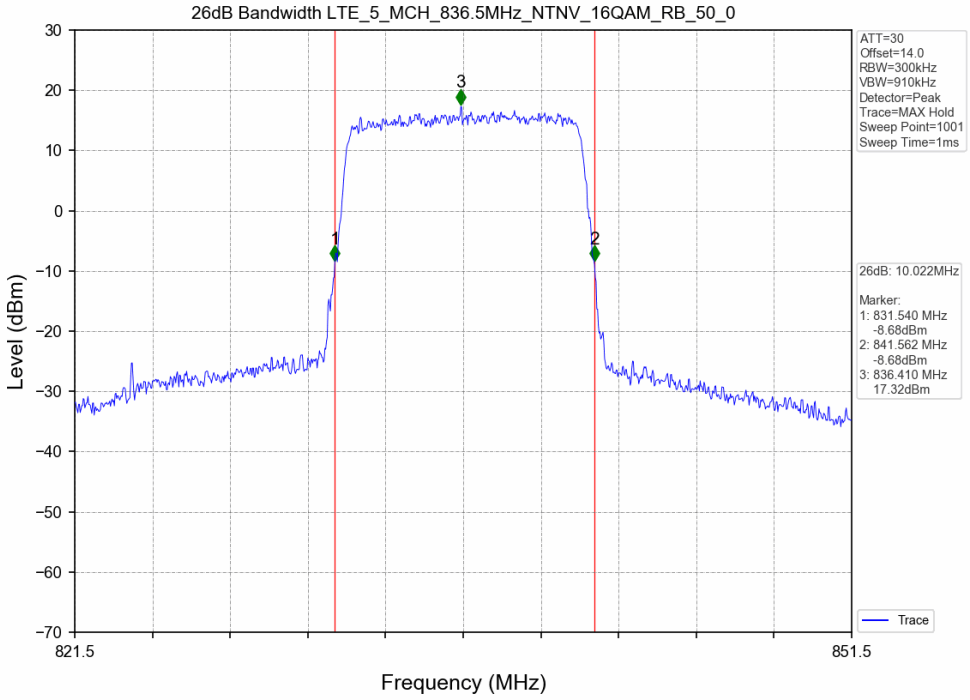

99% Bandwidth LTE_5_MCH_836.5MHz_NTNV_QPSK_RB_50_0
ATT=30
Offset=14.0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 9.010MHz
Marker:
1: 832.046 MHz
12.34dBm
2: 841.056 MHz
11.49dBm
Trace
Level (dBm)
Frequency (MHz)
821.5
851.5

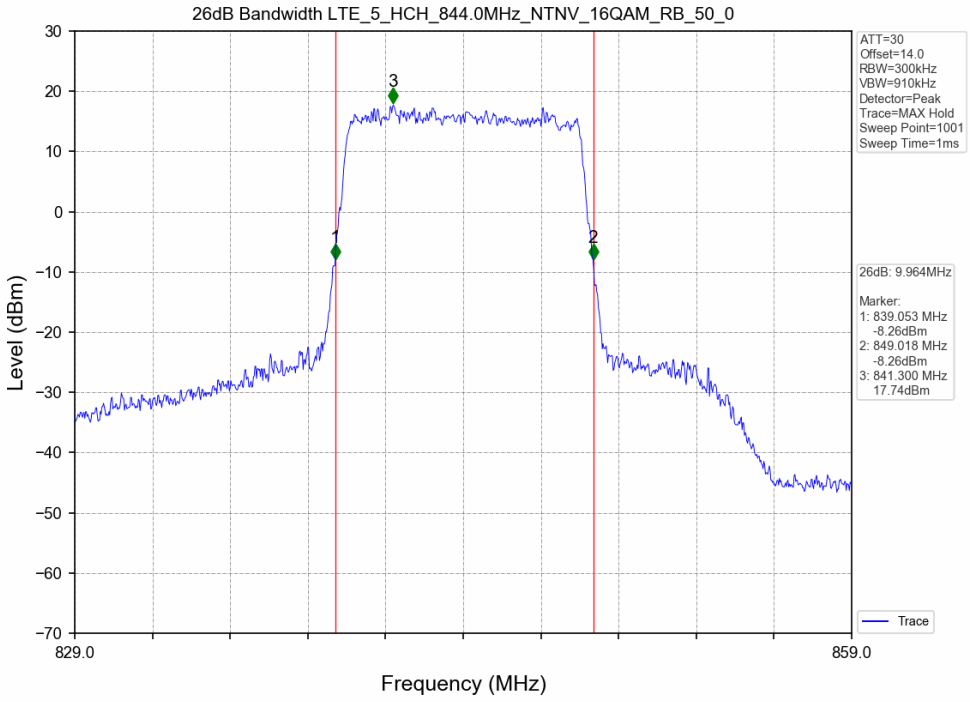

99% Bandwidth LTE_5_HCH_844.0MHz_NTNV_QPSK_RB_50_0
ATT=30
Offset=14.0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 9.065MHz
Marker:
1: 839.485 MHz
13.50dBm
2: 848.550 MHz
11.11dBm
Trace
Level (dBm)
Frequency (MHz)
829.0
859.0

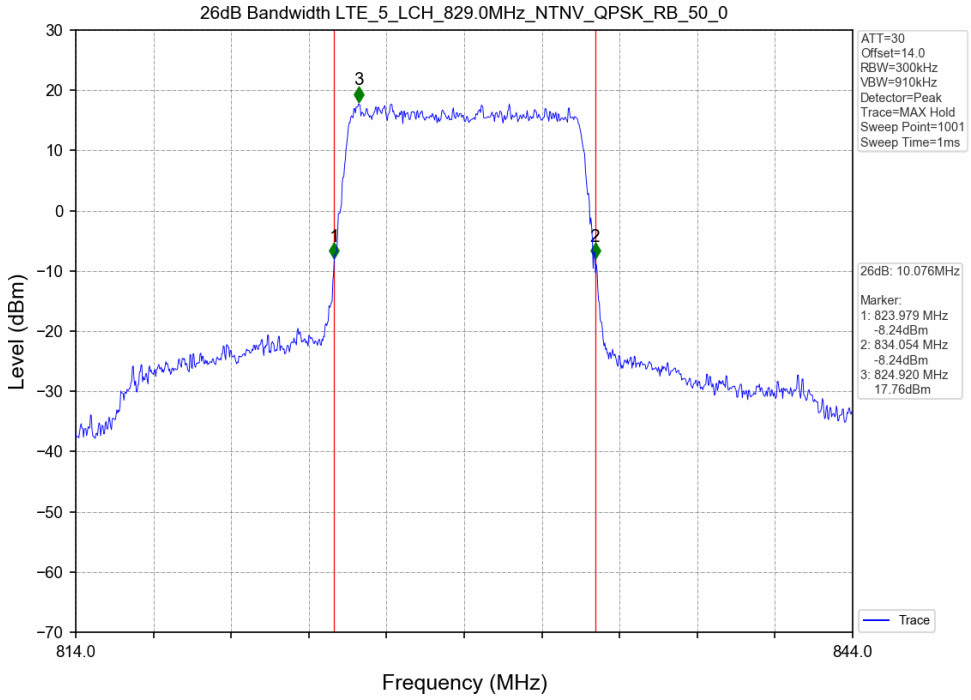
Test Band: 5 _ 10MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	10.076	10.016	10.027	N/A	PASS
16QAM	50	0	10.020	10.022	9.964	N/A	PASS

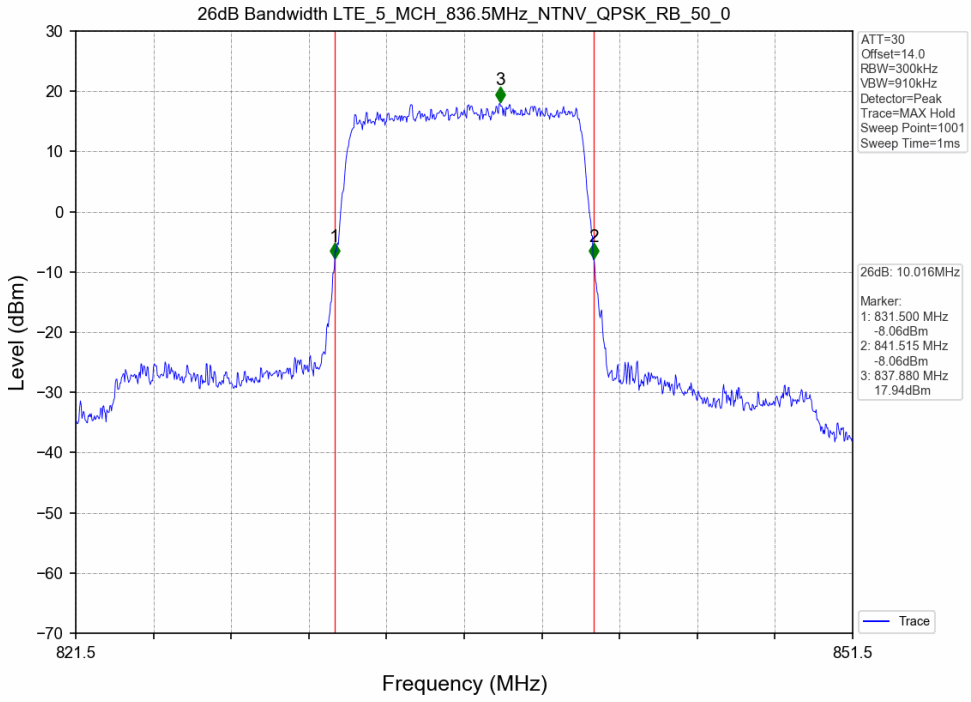
3.2 Test Graph

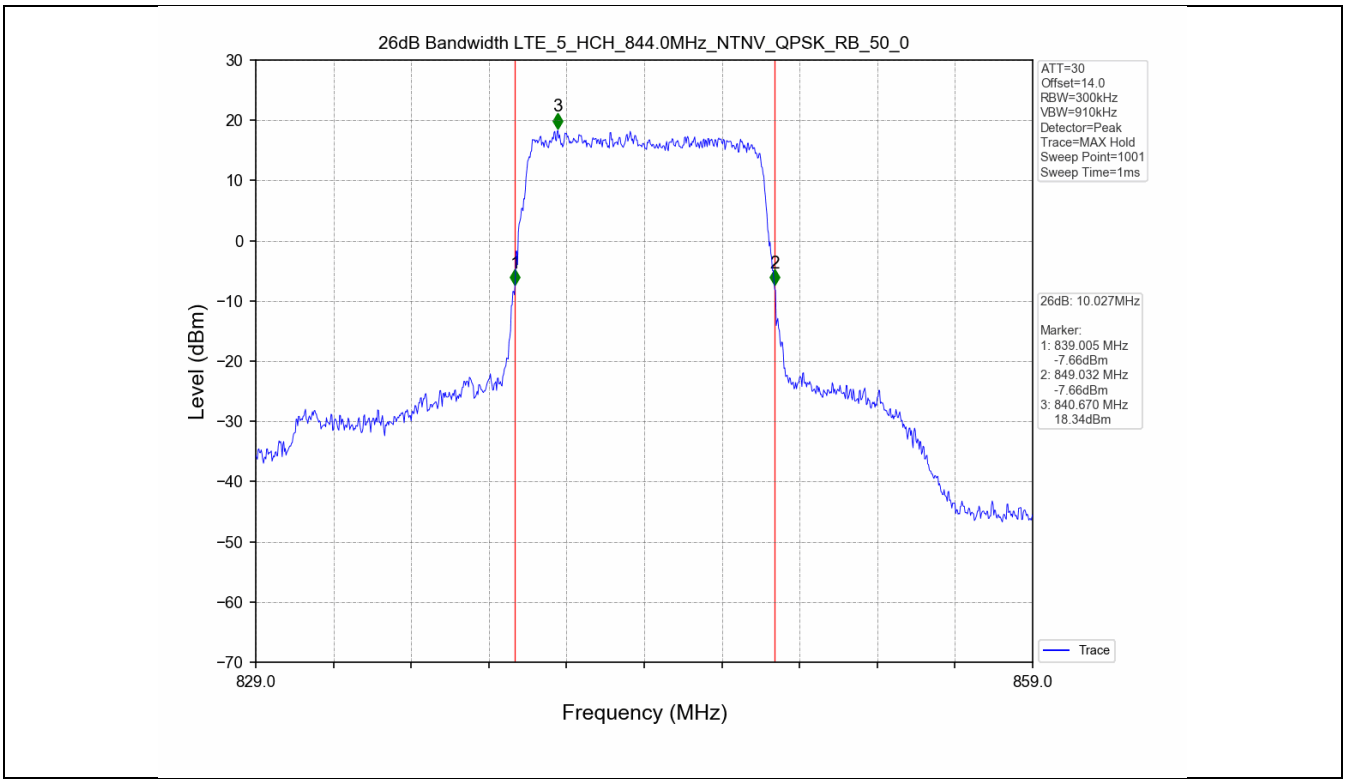



26dB Bandwidth LTE_5_MCH_836.5MHz_NTNV_16QAM_RB_50_0
ATT=30
Offset=14.0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 10.022MHz
Marker:
1: 831.540 MHz
-8.68dBm
2: 841.562 MHz
-8.68dBm
3: 836.410 MHz
17.32dBm
Trace
Level (dBm)
Frequency (MHz)
821.5
851.5


26dB Bandwidth LTE_5_HCH_844.0MHz_NTNV_16QAM_RB_50_0
ATT=30
Offset=14.0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 9.964MHz
Marker:
1: 839.053 MHz
-8.26dBm
2: 849.018 MHz
-8.26dBm
3: 841.300 MHz
17.74dBm
Trace
Level (dBm)
Frequency (MHz)
829.0
859.0


26dB Bandwidth LTE_5_LCH_829.0MHz_NTNV_QPSK_RB_50_0
ATT=30
Offset=14.0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 10.076MHz
Marker:
1: 823.979 MHz
-8.24dBm
2: 834.054 MHz
-8.24dBm
3: 824.920 MHz
17.76dBm
Trace
Level (dBm)
Frequency (MHz)
814.0
844.0


26dB Bandwidth LTE_5_MCH_836.5MHz_NTNV_QPSK_RB_50_0
ATT=30
Offset=14.0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 10.016MHz
Marker:
1: 831.500 MHz
-8.06dBm
2: 841.515 MHz
-8.06dBm
3: 837.880 MHz
17.94dBm
Trace
Level (dBm)
Frequency (MHz)
821.5
851.5

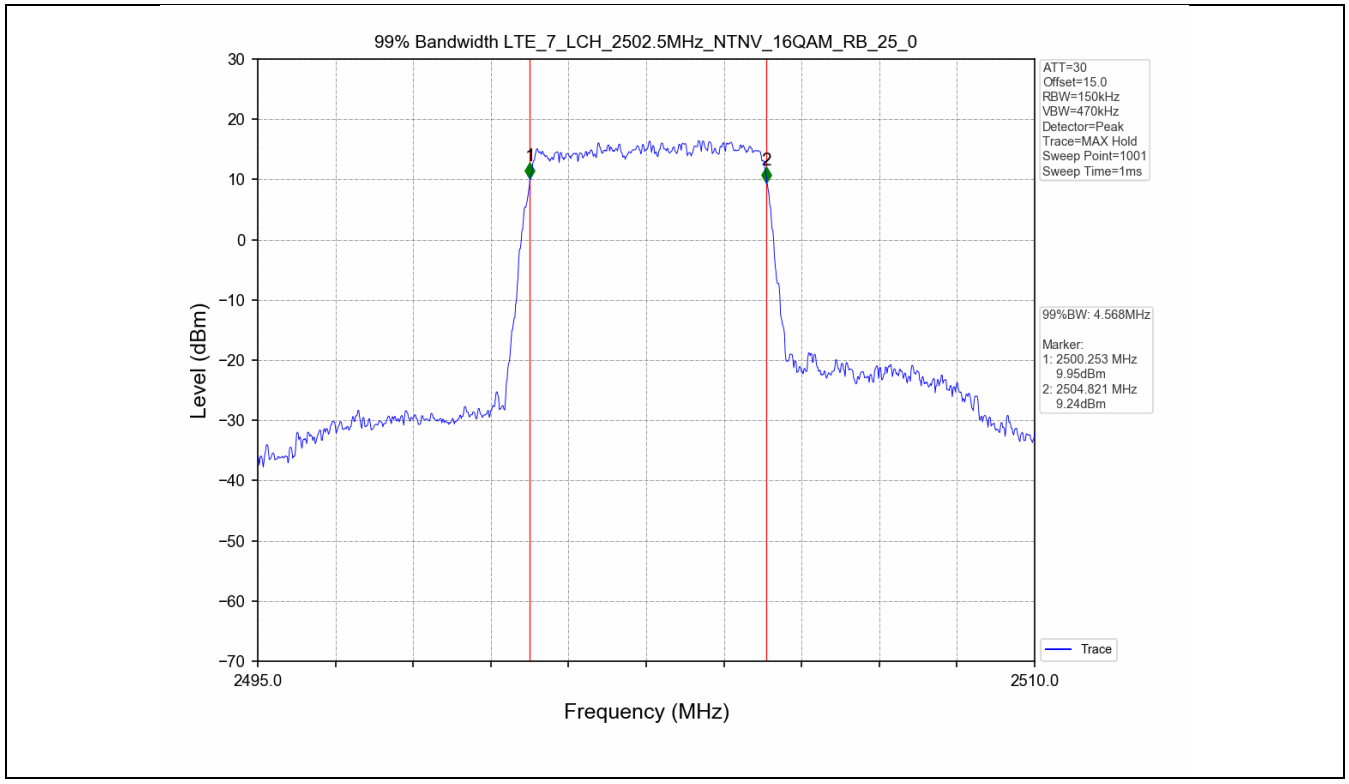

26dB Bandwidth LTE_5_HCH_844.0MHz_NTNV_QPSK_RB_50_0
ATT=30
Offset=14.0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 10.027MHz
Marker:
1: 839.005 MHz
-7.66dBm
2: 849.032 MHz
-7.66dBm
3: 840.670 MHz
18.34dBm
Trace
Level (dBm)
Frequency (MHz)
829.0
859.0

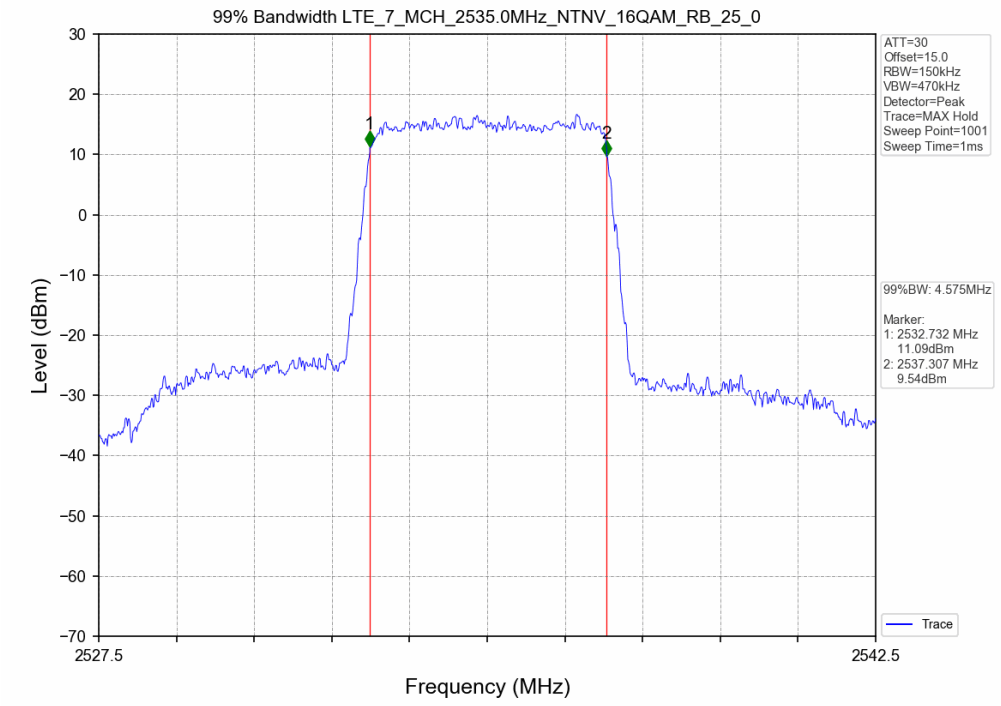
4. 99% & 26dB Bandwidth

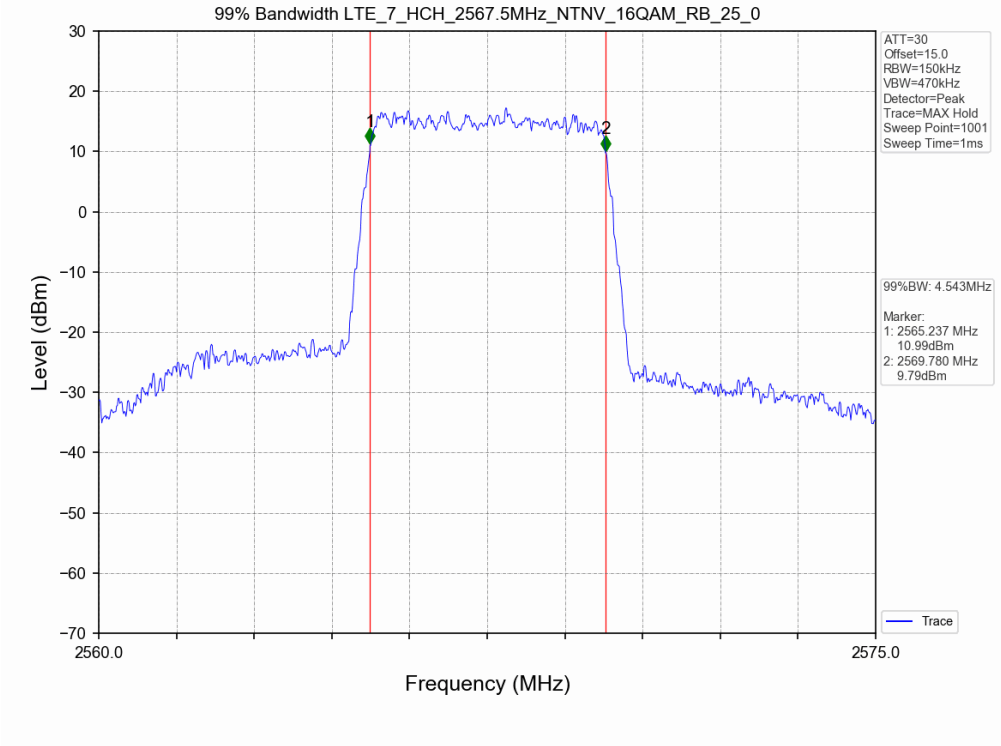
4.1 Test Result

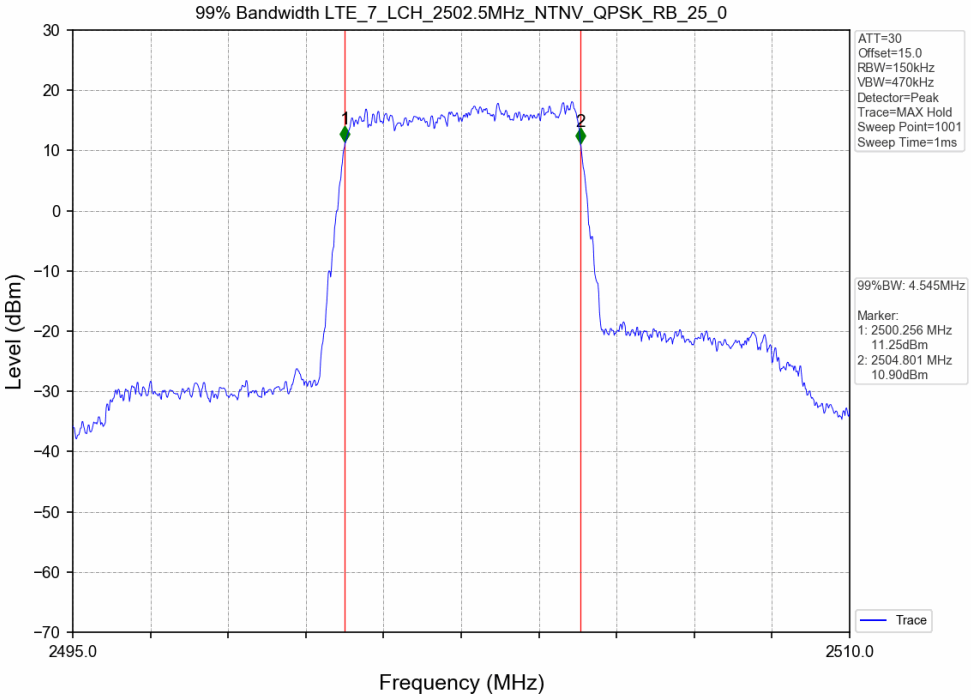
Test Band: 7 _ 5MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	4.545	4.541	4.568	N/A	PASS
16QAM	25	0	4.568	4.575	4.543	N/A	PASS

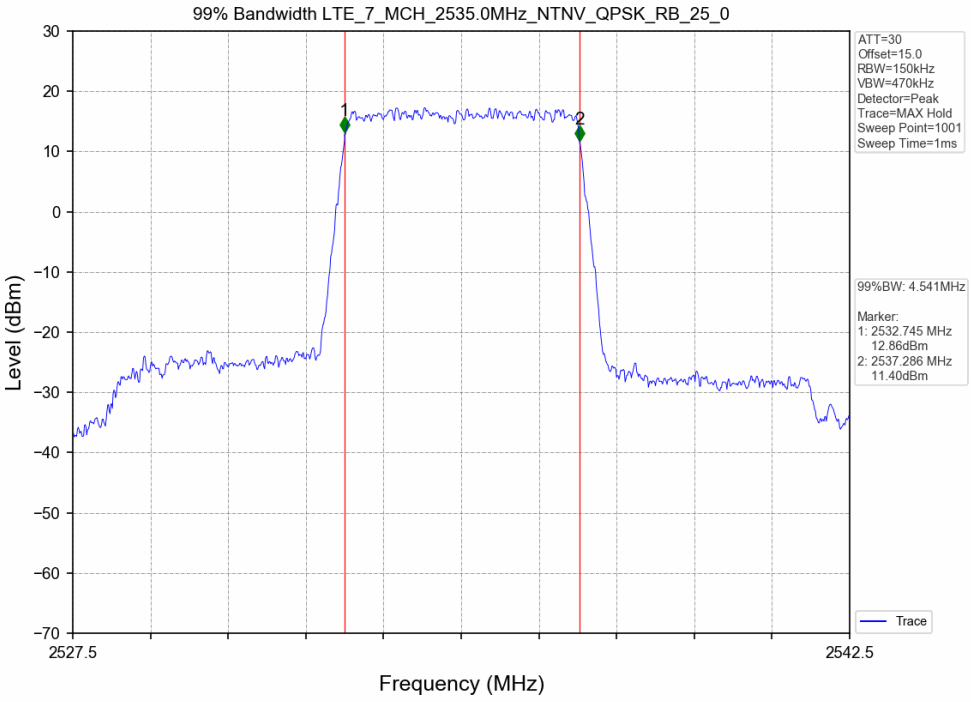
4.2 Test Graph

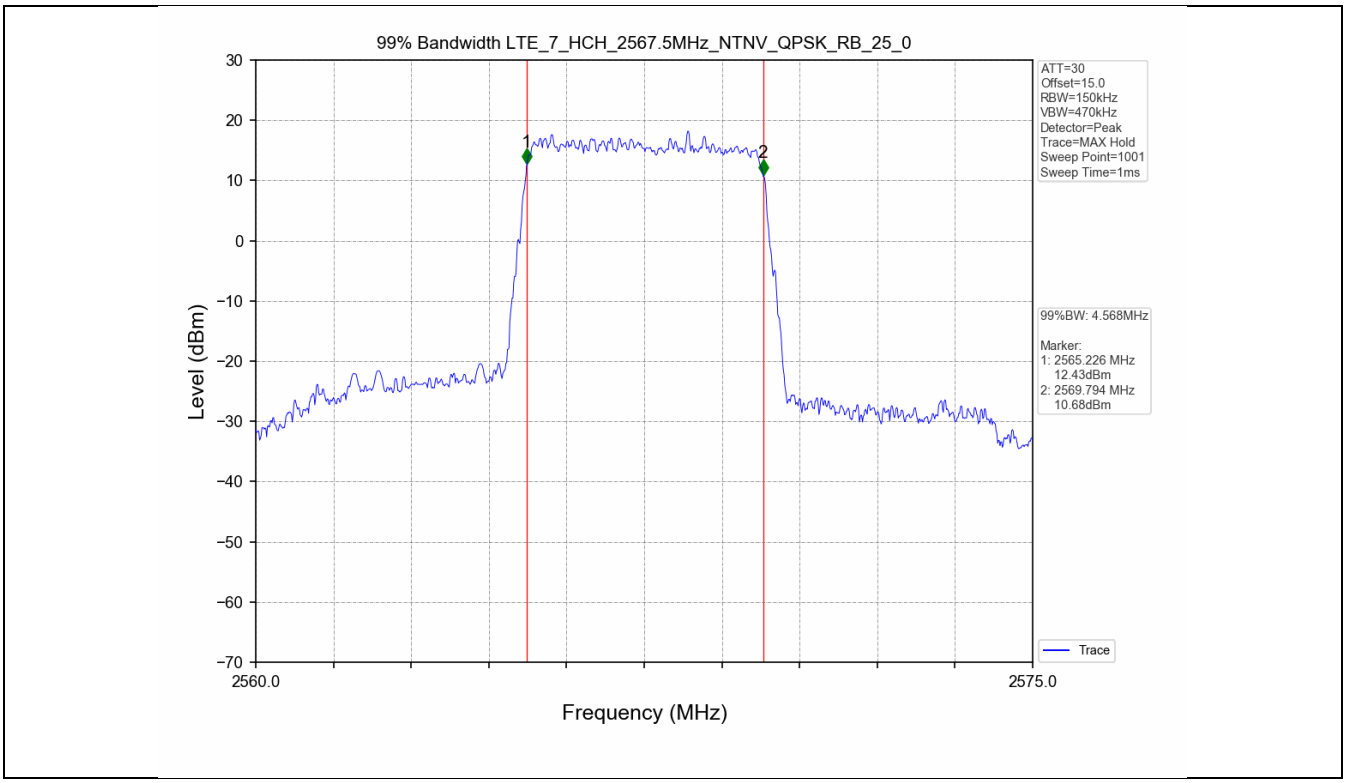



99% Bandwidth LTE_7_MCH_2535.0MHz_NTNV_16QAM_RB_25_0
ATT=30
Offset=15.0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 4.575MHz
Marker:
1: 2532.732 MHz
11.09dBm
2: 2537.307 MHz
9.54dBm
Trace
Level (dBm)
Frequency (MHz)
2527.5
2542.5


99% Bandwidth LTE_7_HCH_2567.5MHz_NTNV_16QAM_RB_25_0
ATT=30
Offset=15.0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 4.543MHz
Marker:
1: 2565.237 MHz
10.99dBm
2: 2569.780 MHz
9.79dBm
Trace
Level (dBm)
Frequency (MHz)
2560.0
2575.0

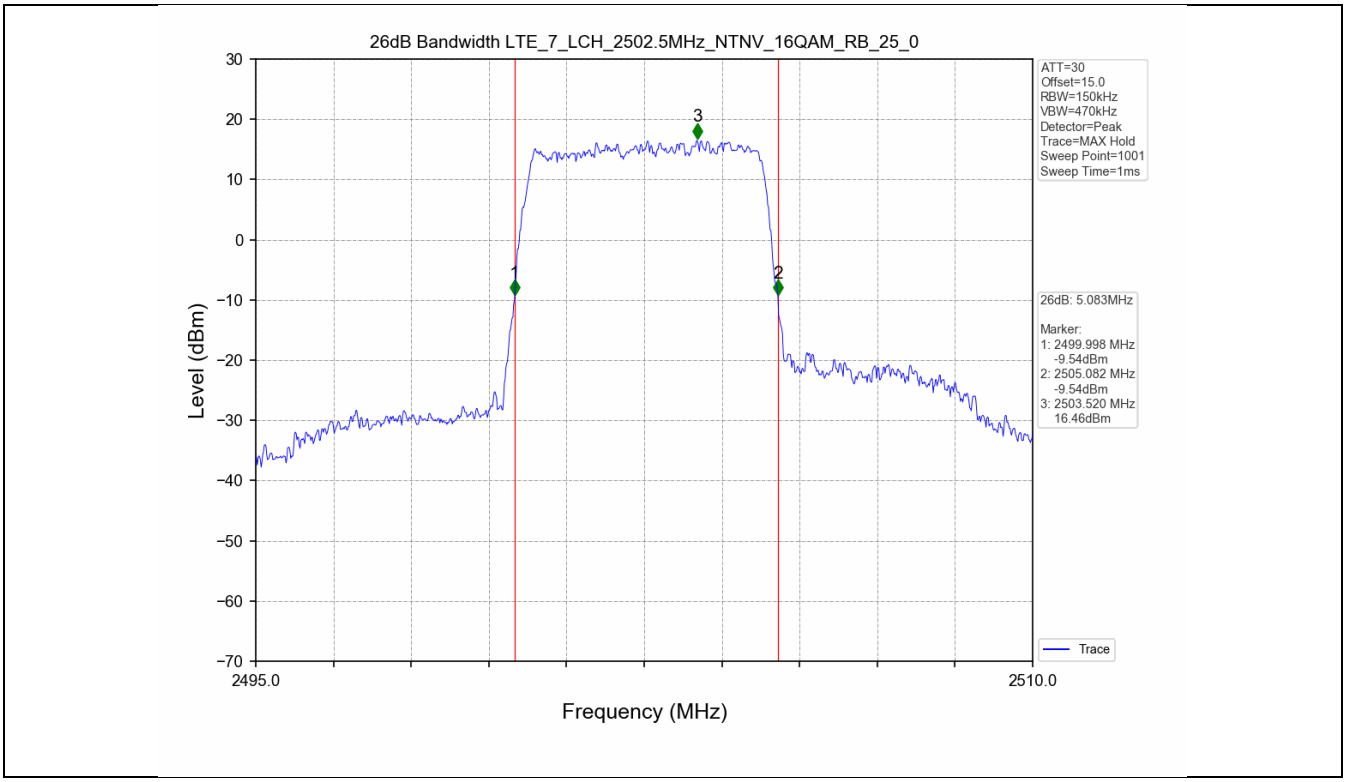

99% Bandwidth LTE_7_LCH_2502.5MHz_NTNV_QPSK_RB_25_0
ATT=30
Offset=15.0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 4.545MHz
Marker:
1: 2500.256 MHz
11.25dBm
2: 2504.801 MHz
10.90dBm
Trace
Level (dBm)
Frequency (MHz)
2495.0
2510.0

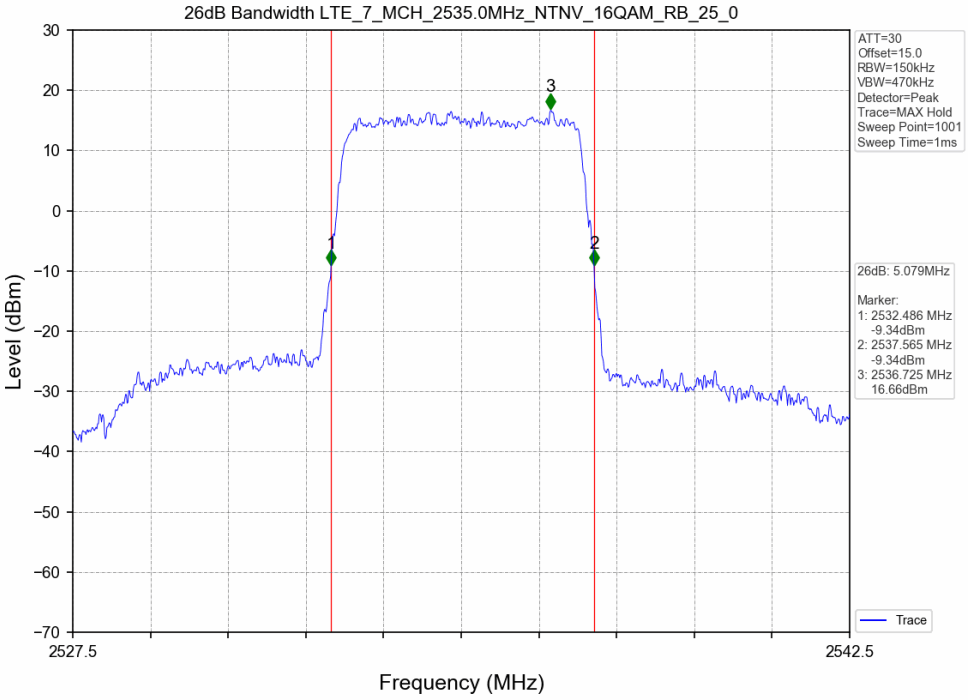

99% Bandwidth LTE_7_MCH_2535.0MHz_NTNV_QPSK_RB_25_0
ATT=30
Offset=15.0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 4.541MHz
Marker:
1: 2532.745 MHz
12.86dBm
2: 2537.286 MHz
11.40dBm
Trace
Level (dBm)
Frequency (MHz)
2527.5
2542.5

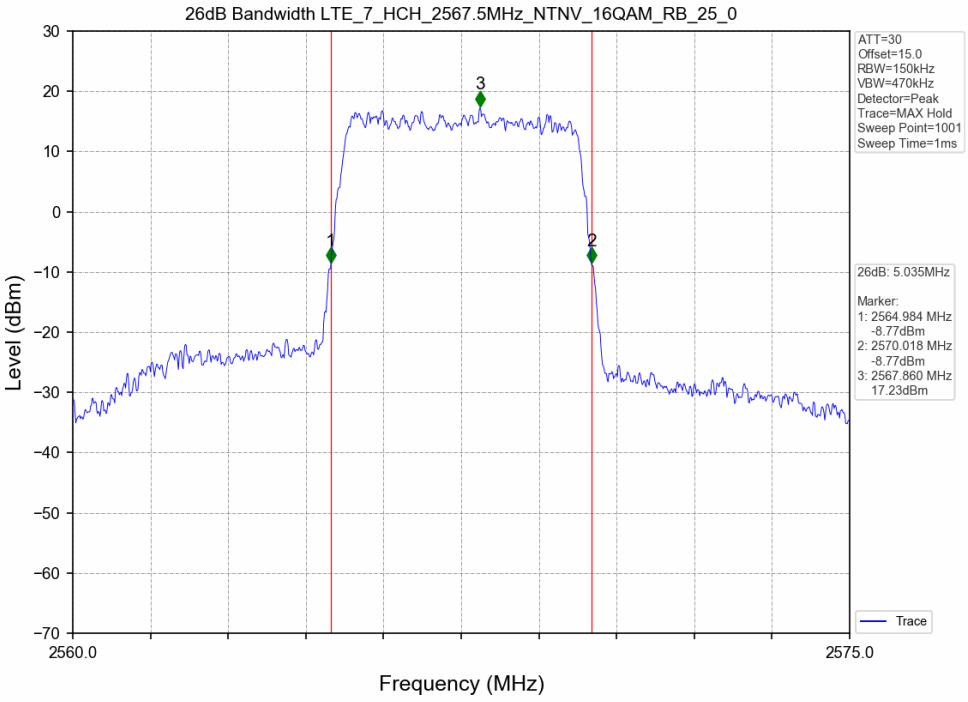

99% Bandwidth LTE_7_HCH_2567.5MHz_NTNV_QPSK_RB_25_0
ATT=30
Offset=15.0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 4.568MHz
Marker:
1: 2565.226 MHz
12.43dBm
2: 2569.794 MHz
10.68dBm
Trace
Level (dBm)
Frequency (MHz)
2560.0
2575.0

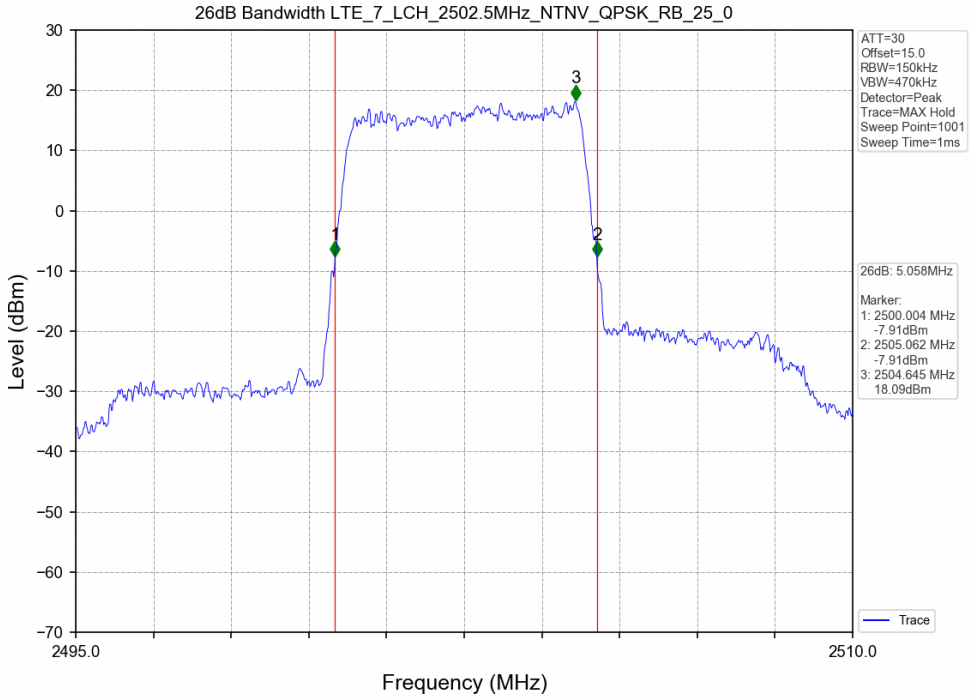
Test Band: 7 _ 5MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	5.058	5.088	5.077	N/A	PASS
16QAM	25	0	5.083	5.079	5.035	N/A	PASS

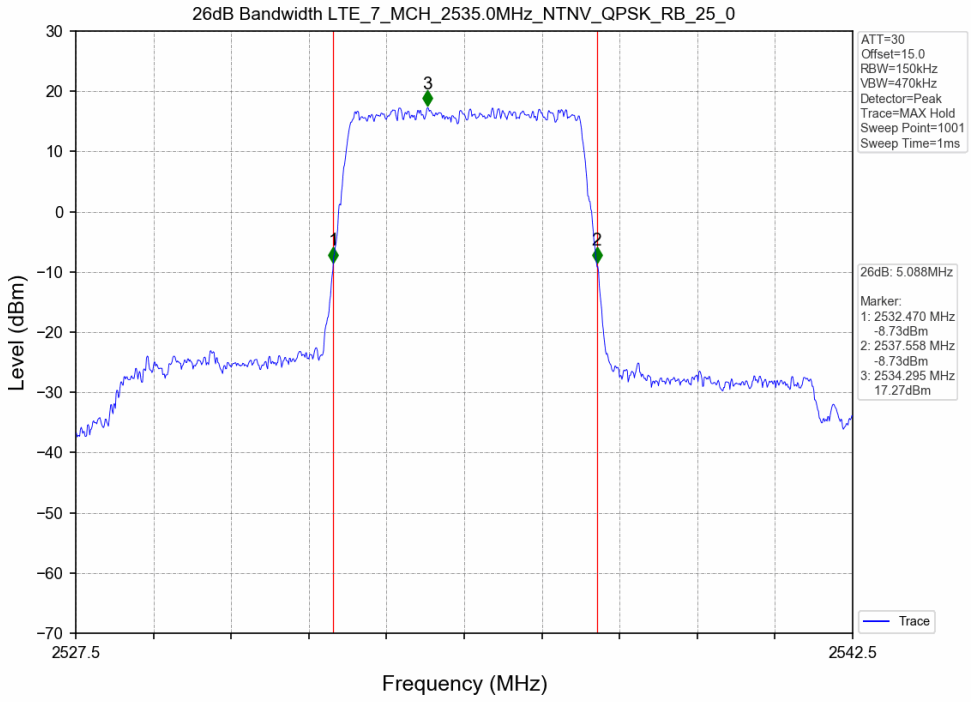
4.2 Test Graph

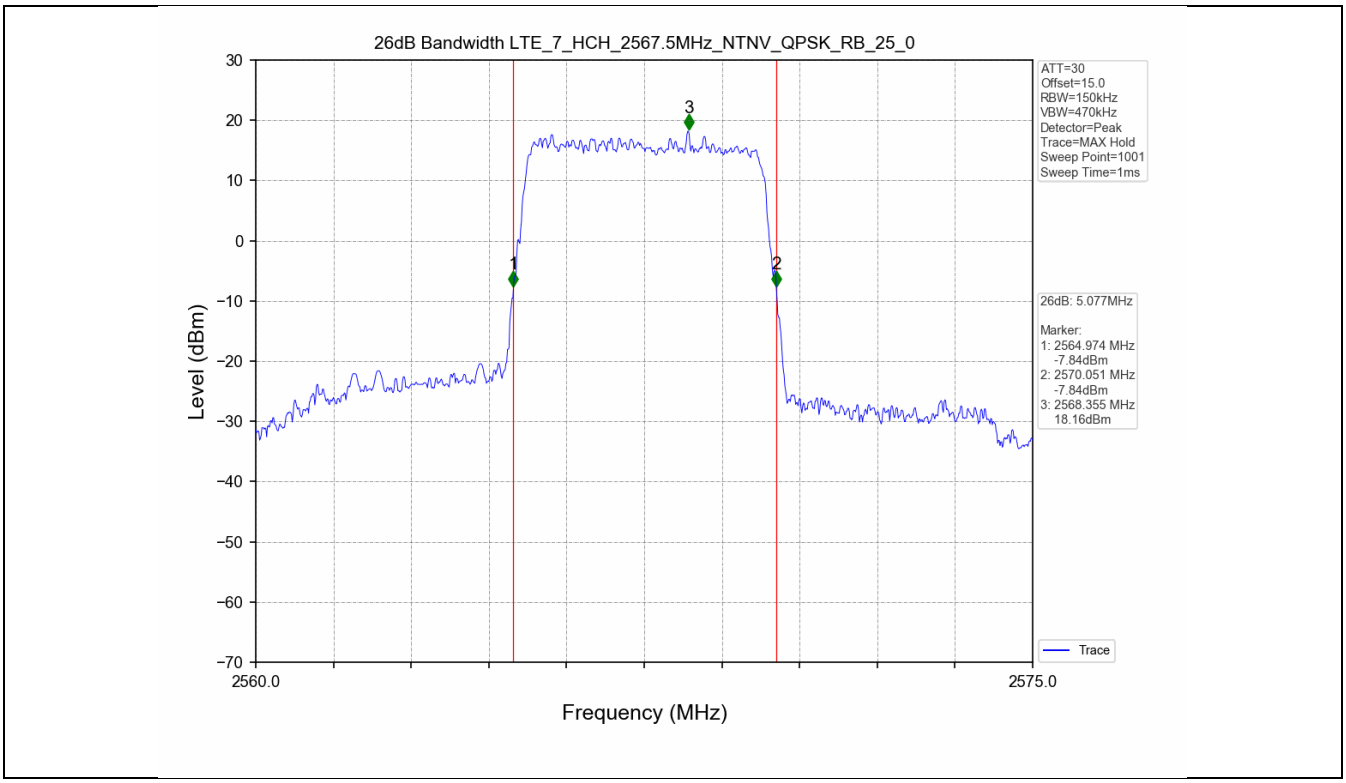



26dB Bandwidth LTE_7_MCH_2535.0MHz_NTNV_16QAM_RB_25_0
ATT=30
Offset=15.0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 5.079MHz
Marker:
1: 2532.486 MHz
-9.34dBm
2: 2537.565 MHz
-9.34dBm
3: 2536.725 MHz
16.66dBm
Trace
Level (dBm)
Frequency (MHz)
2527.5
2542.5


26dB Bandwidth LTE_7_HCH_2567.5MHz_NTNV_16QAM_RB_25_0
ATT=30
Offset=15.0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 5.035MHz
Marker:
1: 2564.984 MHz
-8.77dBm
2: 2570.018 MHz
-8.77dBm
3: 2567.860 MHz
17.23dBm
Trace
Level (dBm)
Frequency (MHz)
2560.0
2575.0

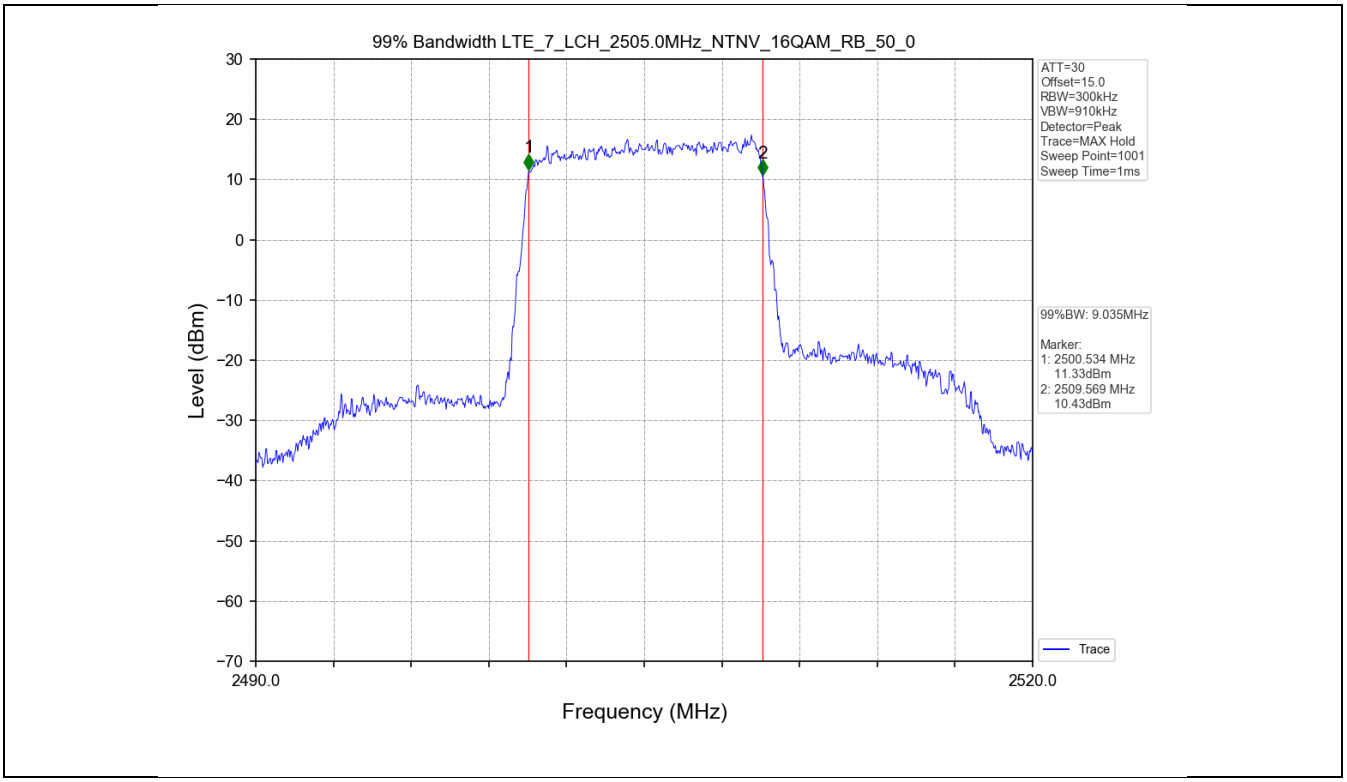

26dB Bandwidth LTE_7_LCH_2502.5MHz_NTNV_QPSK_RB_25_0
ATT=30
Offset=15.0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 5.058MHz
Marker:
1: 2500.004 MHz
-7.91dBm
2: 2505.062 MHz
-7.91dBm
3: 2504.645 MHz
18.09dBm
Trace
Level (dBm)
Frequency (MHz)
2495.0
2510.0

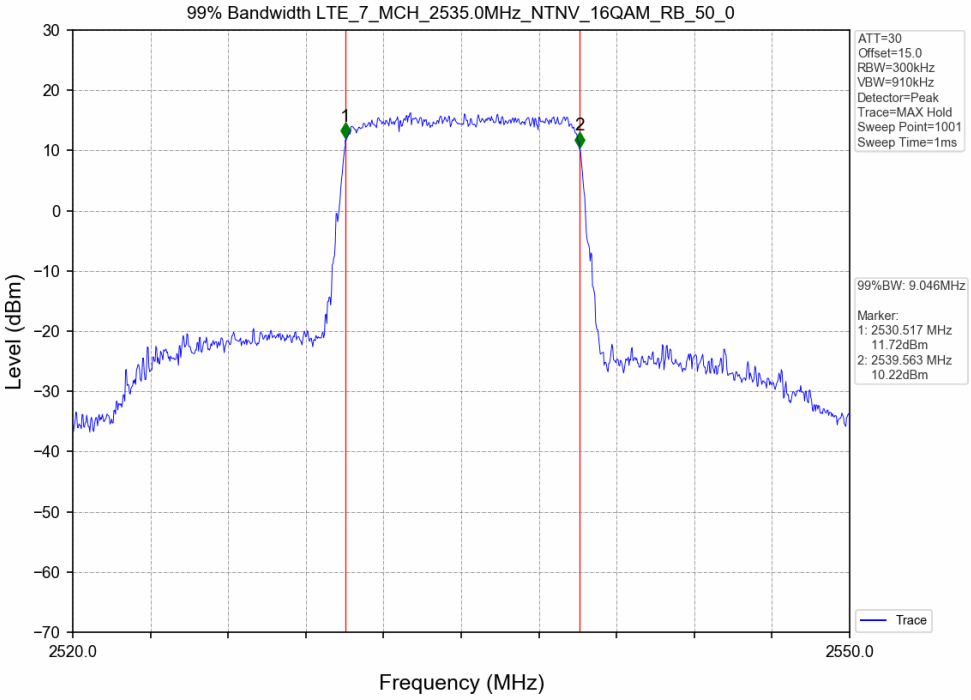

26dB Bandwidth LTE_7_MCH_2535.0MHz_NTNV_QPSK_RB_25_0
ATT=30
Offset=15.0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 5.088MHz
Marker:
1: 2532.470 MHz
-8.73dBm
2: 2537.558 MHz
-8.73dBm
3: 2534.295 MHz
17.27dBm
Trace
Level (dBm)
Frequency (MHz)
2527.5
2542.5

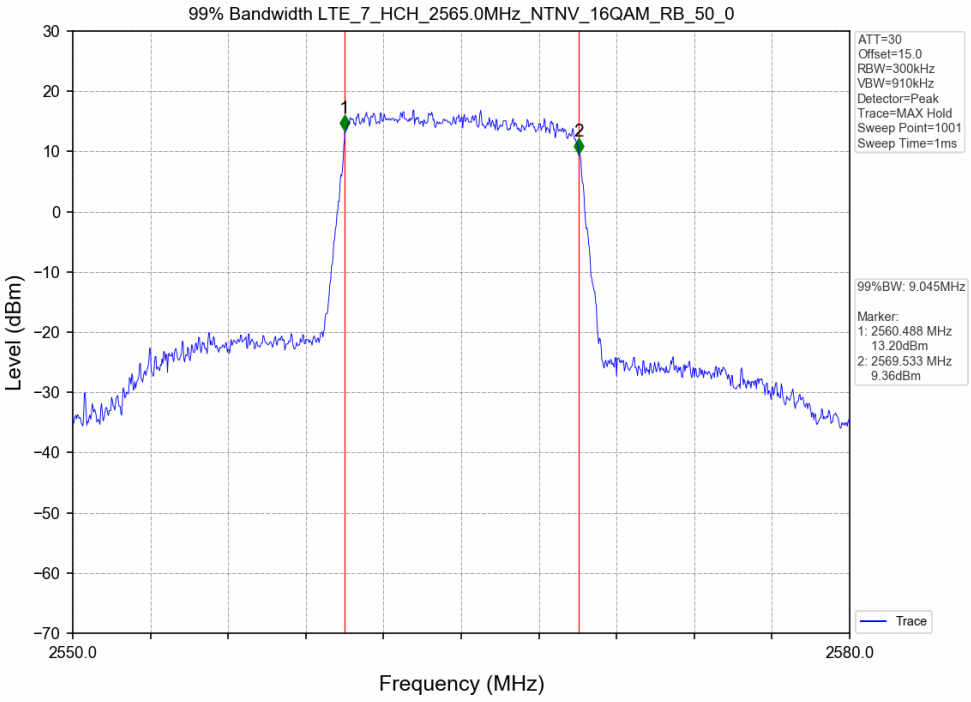

26dB Bandwidth LTE_7_HCH_2567.5MHz_NTNV_QPSK_RB_25_0
ATT=30
Offset=15.0
RBW=150kHz
VBW=470kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 5.077MHz
Marker:
1: 2564.974 MHz
-7.84dBm
2: 2570.051 MHz
-7.84dBm
3: 2568.355 MHz
18.16dBm
Trace
Level (dBm)
Frequency (MHz)
2560.0
2575.0

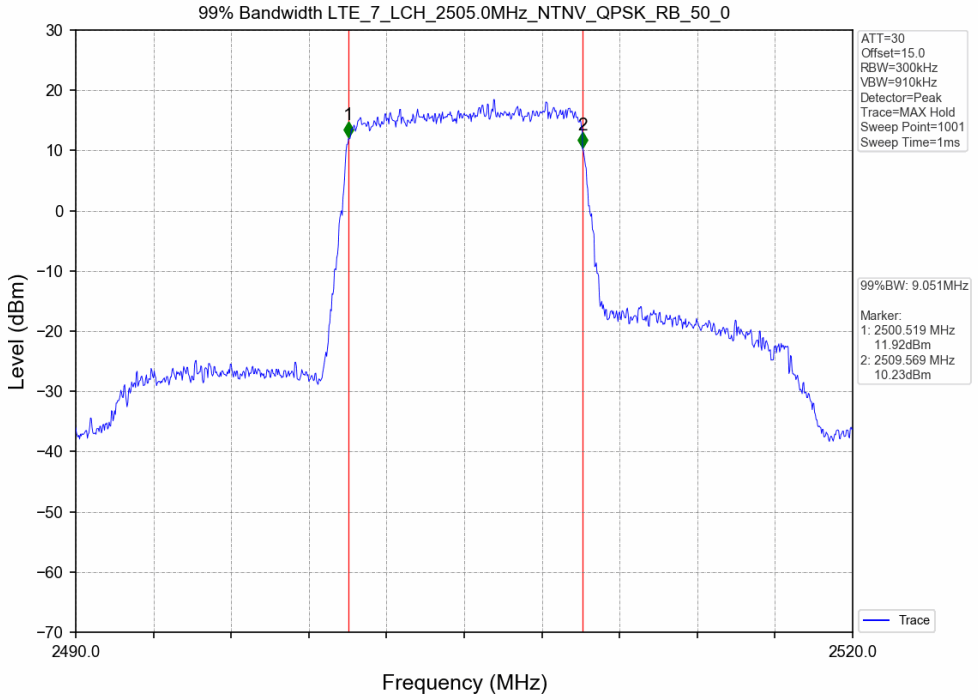
Test Band: 7 _ 10MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	9.051	9.029	9.013	N/A	PASS
16QAM	50	0	9.035	9.046	9.045	N/A	PASS

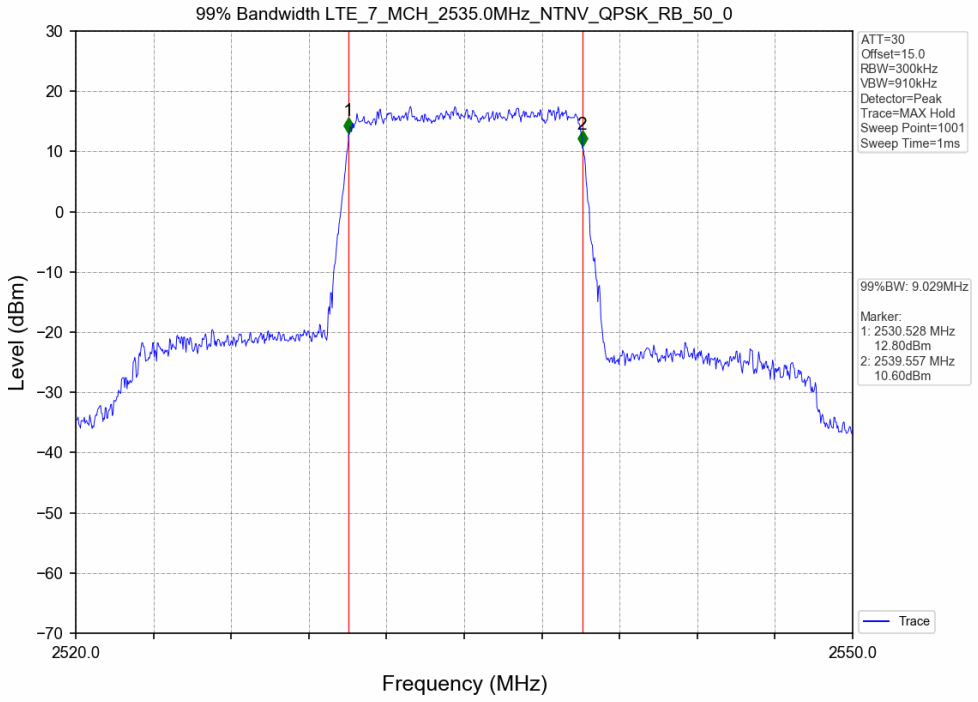
4.2 Test Graph

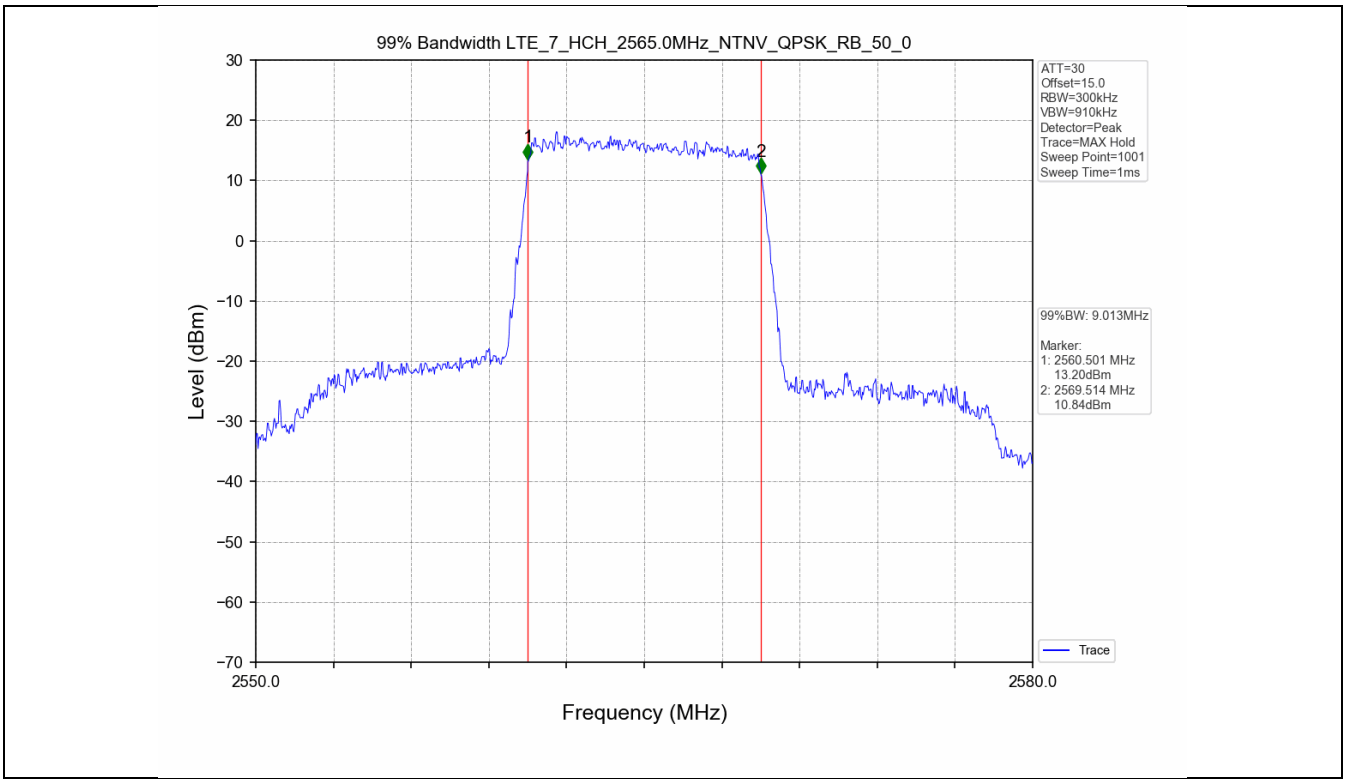



99% Bandwidth LTE_7_MCH_2535.0MHz_NTNV_16QAM_RB_50_0
ATT=30
Offset=15.0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 9.046MHz
Marker:
1: 2530.517 MHz
11.72dBm
2: 2539.563 MHz
10.22dBm
Trace
Level (dBm)
Frequency (MHz)
2520.0
2550.0


99% Bandwidth LTE_7_HCH_2565.0MHz_NTNV_16QAM_RB_50_0
ATT=30
Offset=15.0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 9.045MHz
Marker:
1: 2560.488 MHz
13.20dBm
2: 2569.533 MHz
9.36dBm
Trace
Level (dBm)
Frequency (MHz)
2550.0
2580.0

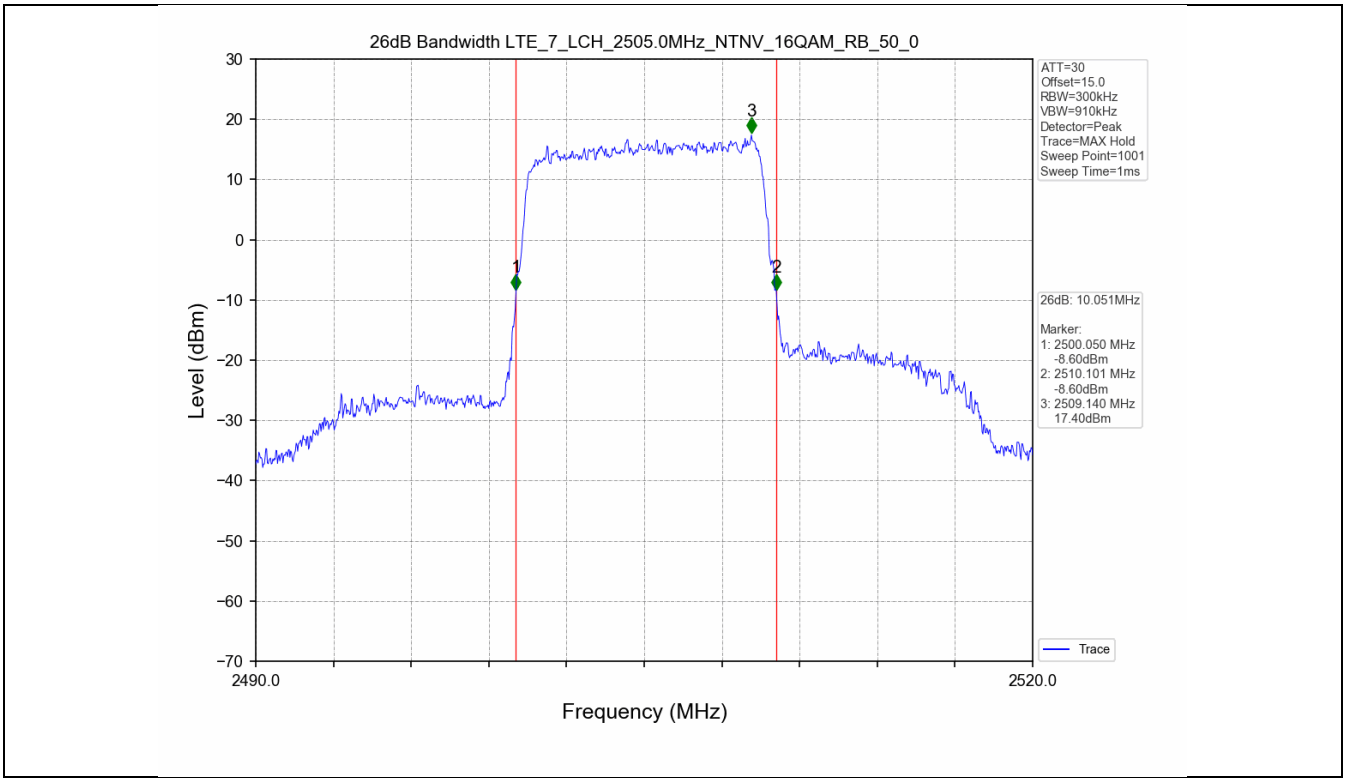

99% Bandwidth LTE_7_LCH_2505.0MHz_NTNV_QPSK_RB_50_0
ATT=30
Offset=15.0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 9.051MHz
Marker:
1: 2500.519 MHz
11.92dBm
2: 2509.569 MHz
10.23dBm
Trace
Level (dBm)
Frequency (MHz)
2490.0
2520.0

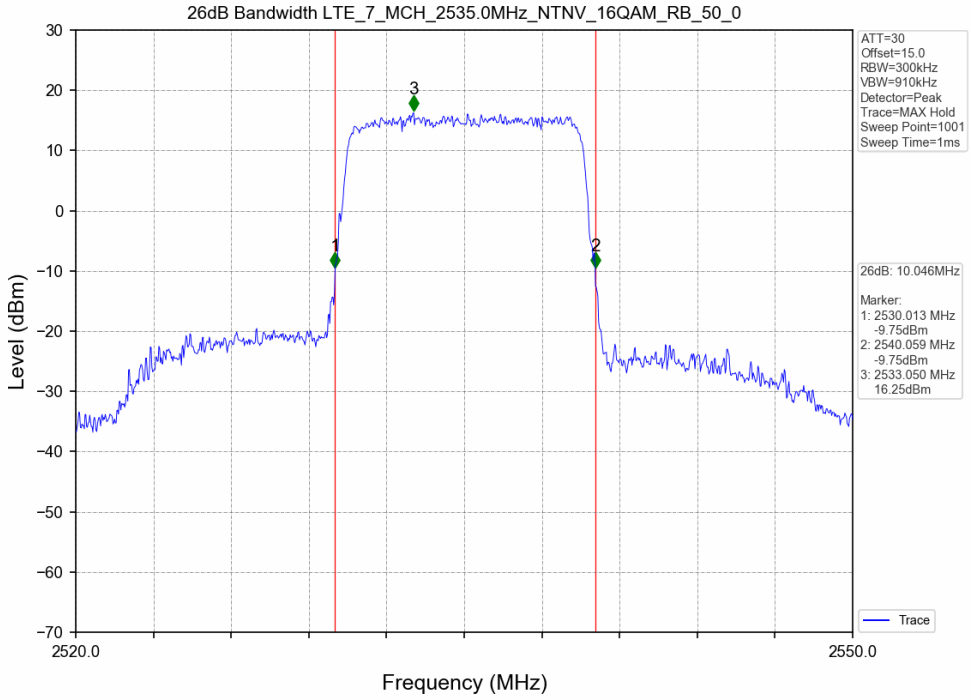

99% Bandwidth LTE_7_MCH_2535.0MHz_NTNV_QPSK_RB_50_0
ATT=30
Offset=15.0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 9.029MHz
Marker:
1: 2530.528 MHz
12.80dBm
2: 2539.557 MHz
10.60dBm
Trace
Level (dBm)
Frequency (MHz)
2520.0
2550.0

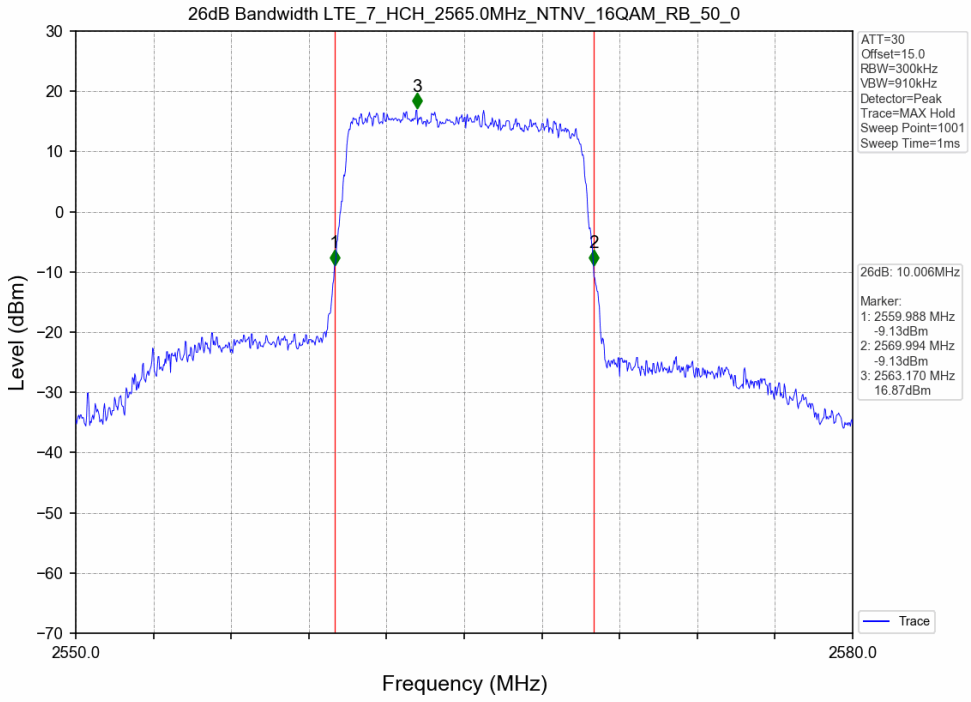

99% Bandwidth LTE_7_HCH_2565.0MHz_NTNV_QPSK_RB_50_0
ATT=30
Offset=15.0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 9.013MHz
Marker:
1: 2560.501 MHz
13.20dBm
2: 2569.514 MHz
10.84dBm
Trace
Level (dBm)
Frequency (MHz)
2550.0
2580.0

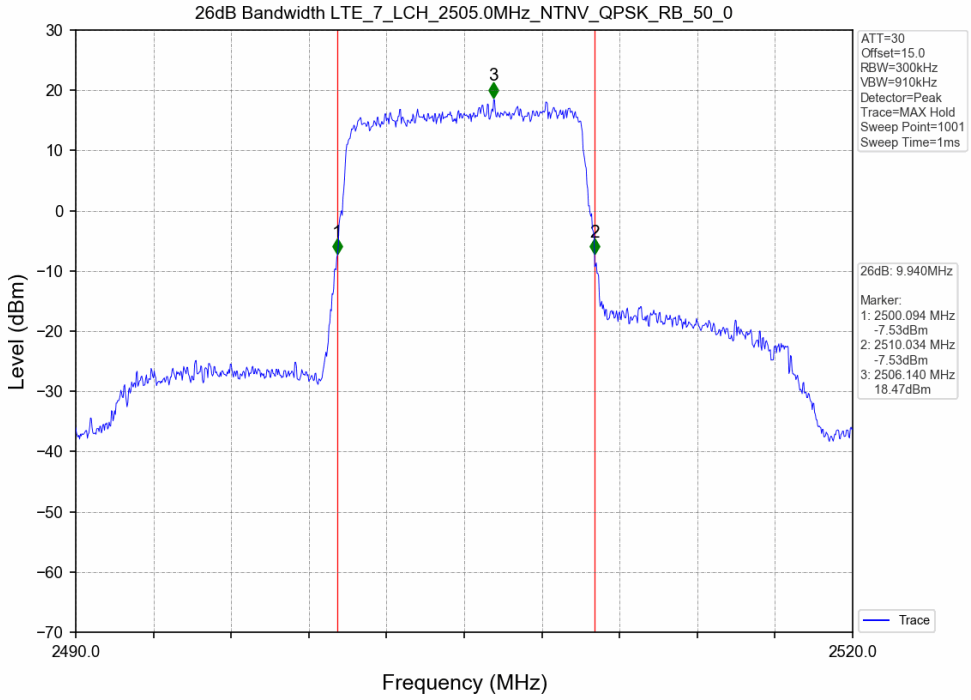
Test Band: 7 _ 10MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	9.940	10.034	10.005	N/A	PASS
16QAM	50	0	10.051	10.046	10.006	N/A	PASS

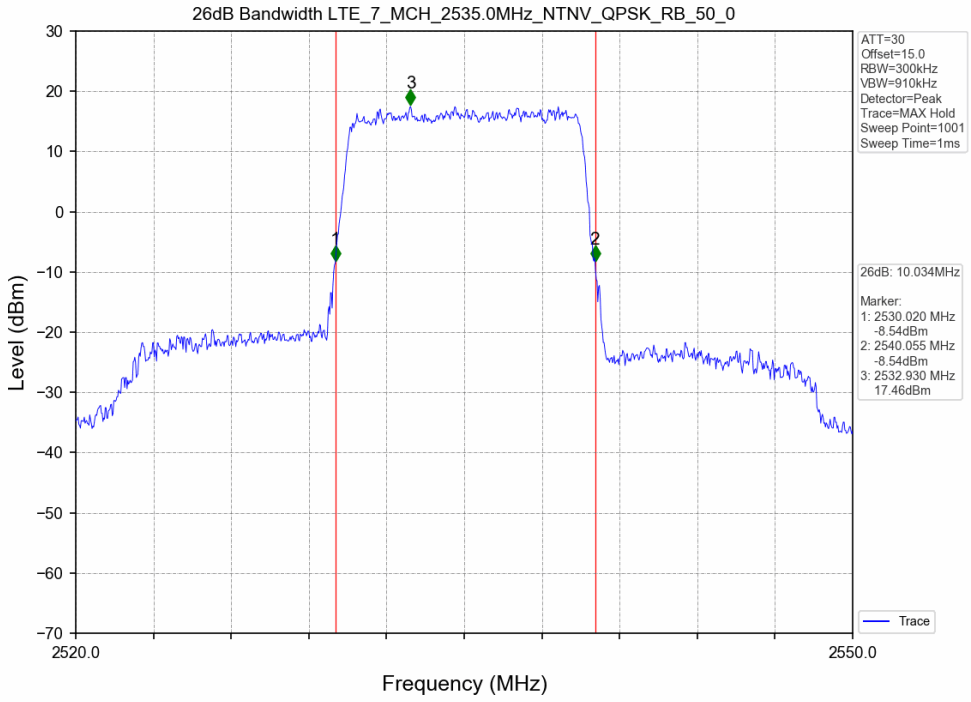
4.2 Test Graph

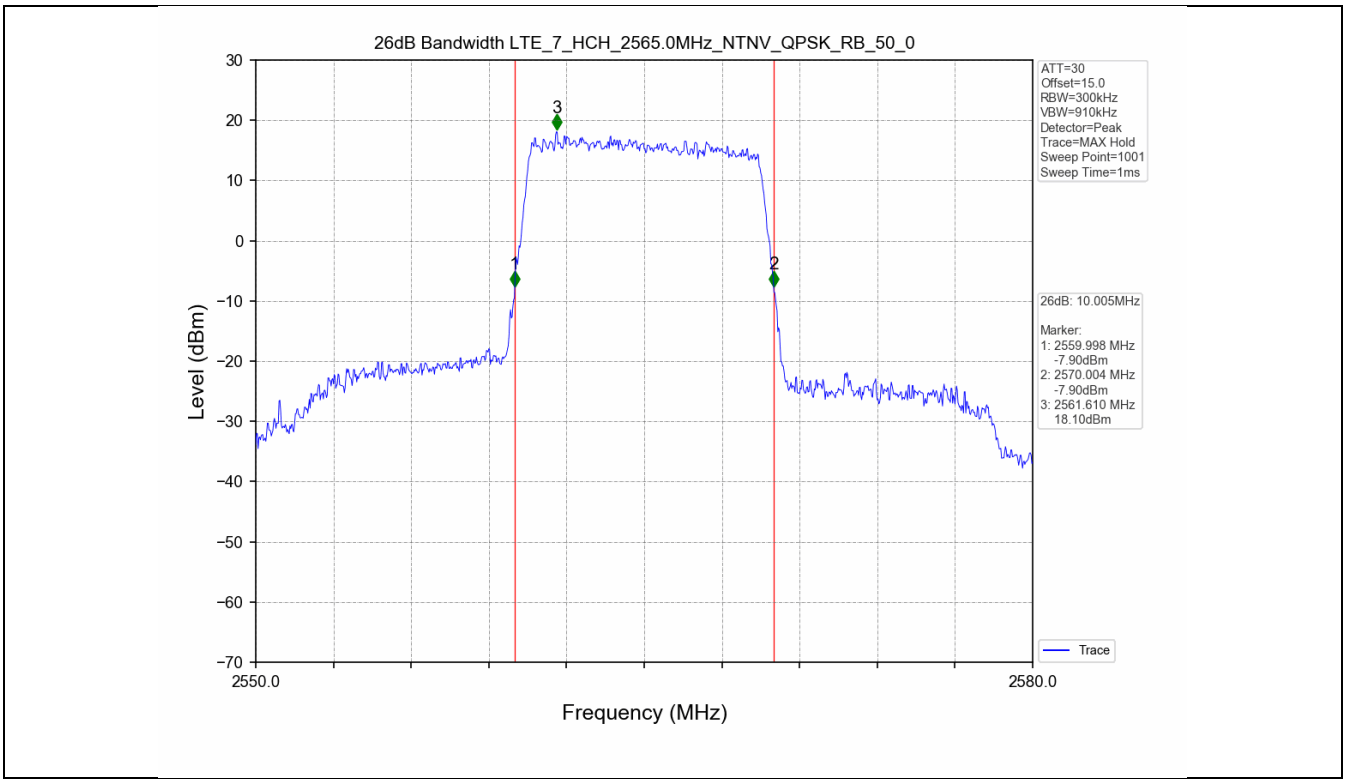



26dB Bandwidth LTE_7_MCH_2535.0MHz_NTNV_16QAM_RB_50_0
ATT=30
Offset=15.0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 10.046MHz
Marker:
1: 2530.013 MHz
-9.75dBm
2: 2540.059 MHz
-9.75dBm
3: 2533.050 MHz
16.25dBm
Trace
Level (dBm)
Frequency (MHz)
2520.0
2550.0


26dB Bandwidth LTE_7_HCH_2565.0MHz_NTNV_16QAM_RB_50_0
ATT=30
Offset=15.0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 10.006MHz
Marker:
1: 2559.988 MHz
-9.13dBm
2: 2569.994 MHz
-9.13dBm
3: 2563.170 MHz
16.87dBm
Trace
Level (dBm)
Frequency (MHz)
2550.0
2580.0

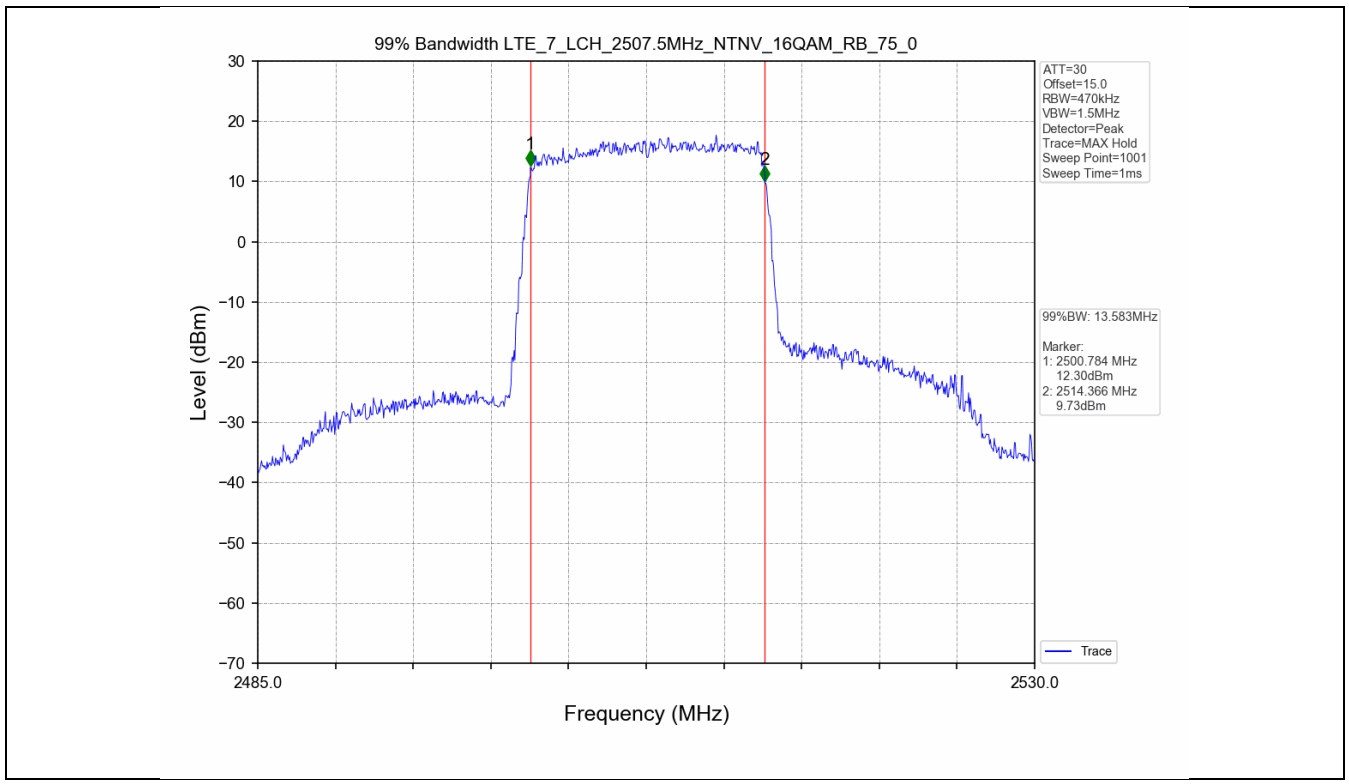

26dB Bandwidth LTE_7_LCH_2505.0MHz_NTNV_QPSK_RB_50_0
ATT=30
Offset=15.0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 9.940MHz
Marker:
1: 2500.094 MHz
-7.53dBm
2: 2510.034 MHz
-7.53dBm
3: 2506.140 MHz
18.47dBm
Trace
Level (dBm)
Frequency (MHz)
2490.0
2520.0

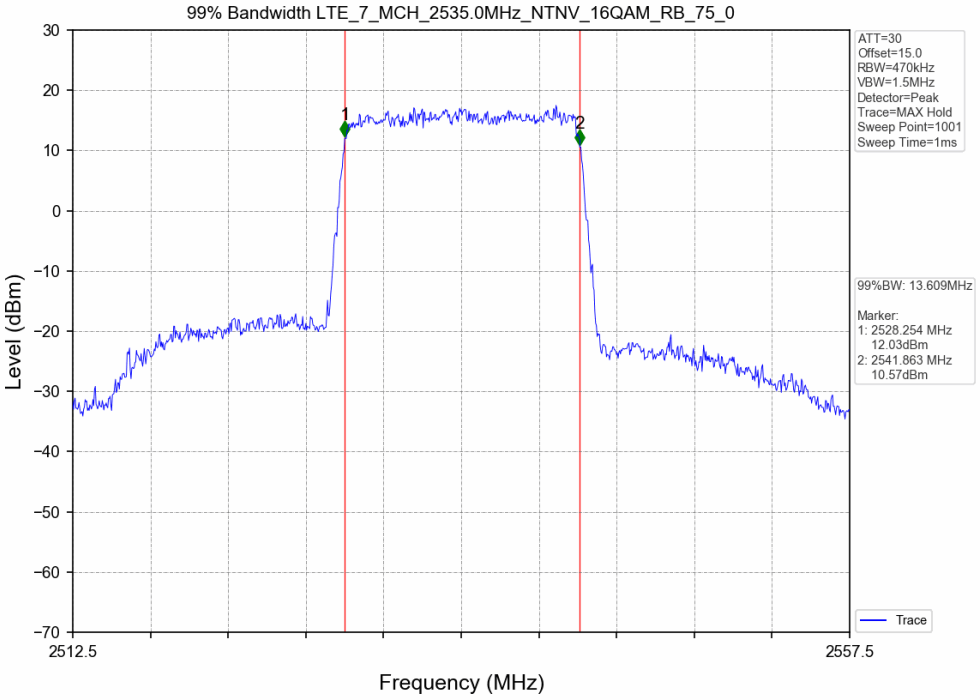

26dB Bandwidth LTE_7_MCH_2535.0MHz_NTNV_QPSK_RB_50_0
ATT=30
Offset=15.0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 10.034MHz
Marker:
1: 2530.020 MHz
-8.54dBm
2: 2540.055 MHz
-8.54dBm
3: 2532.930 MHz
17.46dBm
Trace
Level (dBm)
Frequency (MHz)
2520.0
2550.0

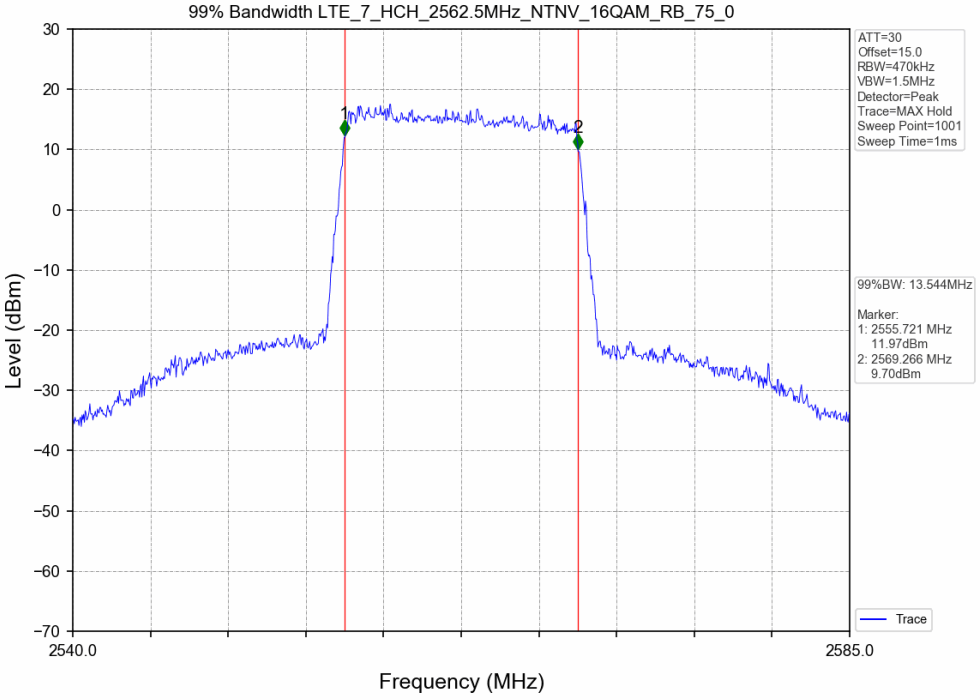

26dB Bandwidth LTE_7_HCH_2565.0MHz_NTNV_QPSK_RB_50_0
ATT=30
Offset=15.0
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 10.005MHz
Marker:
1: 2559.998 MHz
-7.90dBm
2: 2570.004 MHz
-7.90dBm
3: 2561.610 MHz
18.10dBm
Trace
Level (dBm)
Frequency (MHz)
2550.0
2580.0

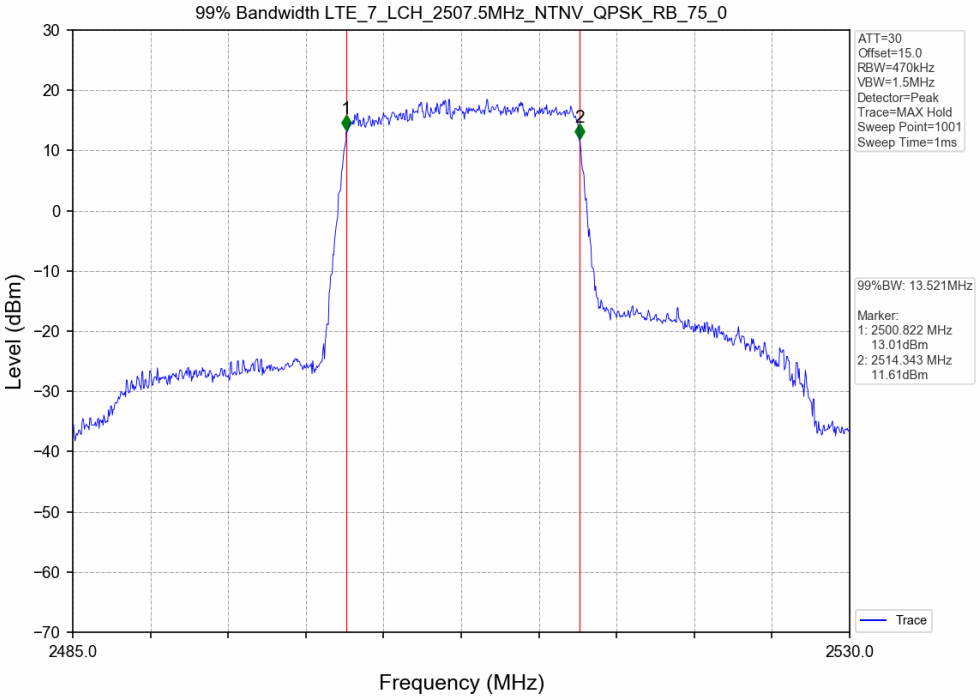
Test Band: 7 _ 15MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	75	0	13.521	13.563	13.571	N/A	PASS
16QAM	75	0	13.583	13.609	13.544	N/A	PASS

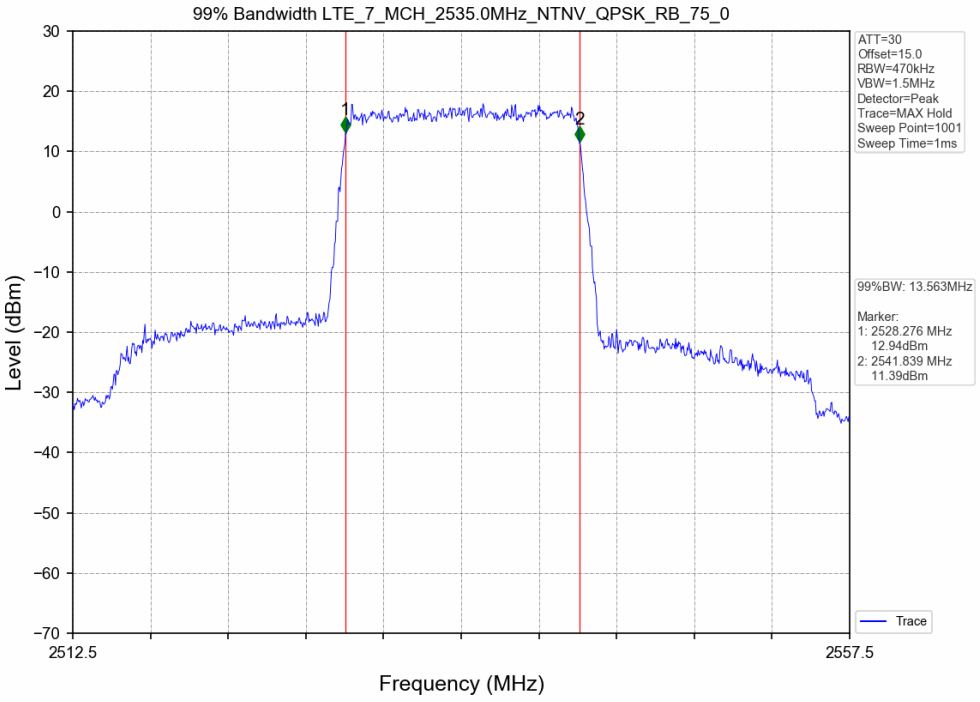
4.2 Test Graph

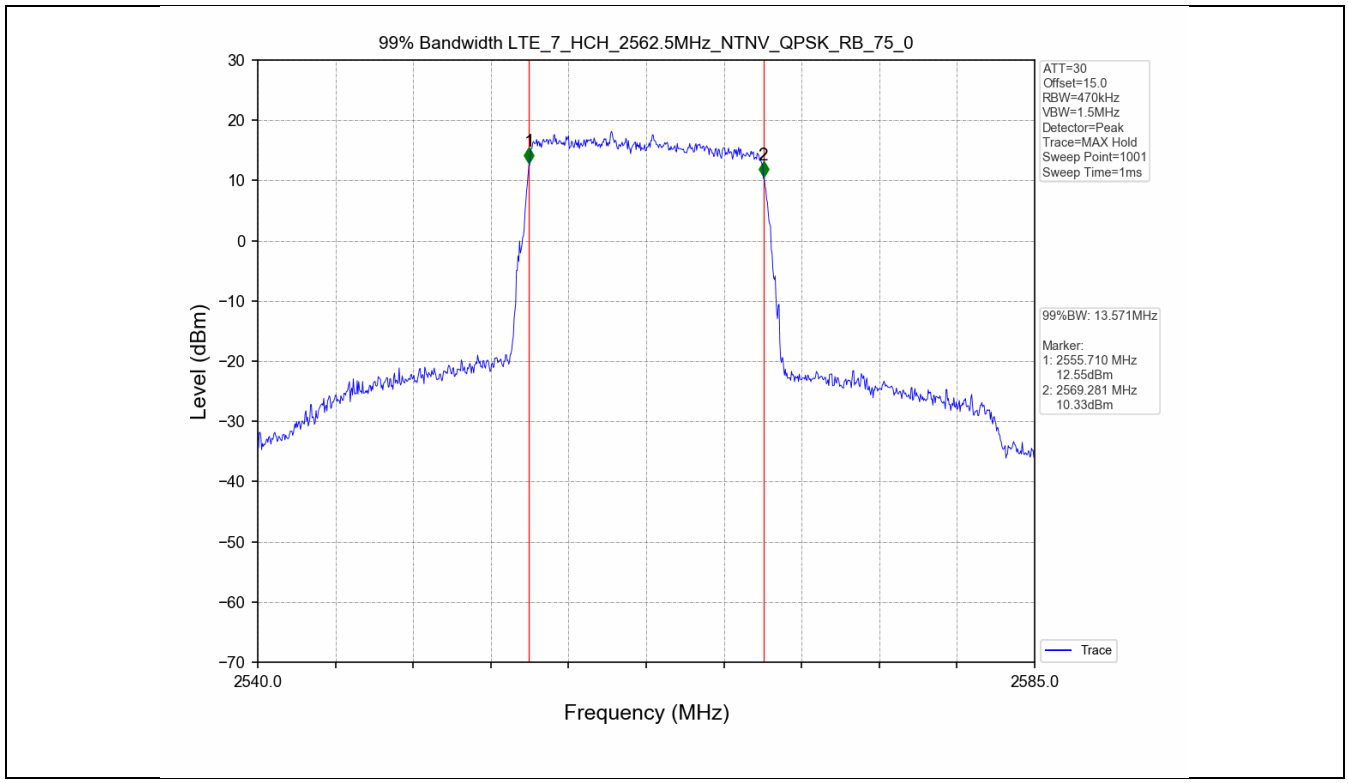



99% Bandwidth LTE_7_MCH_2535.0MHz_NTNV_16QAM_RB_75_0
ATT=30
Offset=15.0
RBW=470kHz
VBW=1.5MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 13.609MHz
Marker:
1: 2528.254 MHz
12.03dBm
2: 2541.863 MHz
10.57dBm
Trace
Level (dBm)
Frequency (MHz)
2512.5
2557.5


99% Bandwidth LTE_7_HCH_2562.5MHz_NTNV_16QAM_RB_75_0
ATT=30
Offset=15.0
RBW=470kHz
VBW=1.5MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 13.544MHz
Marker:
1: 2555.721 MHz
11.97dBm
2: 2569.266 MHz
9.70dBm
Trace
Level (dBm)
Frequency (MHz)
2540.0
2585.0

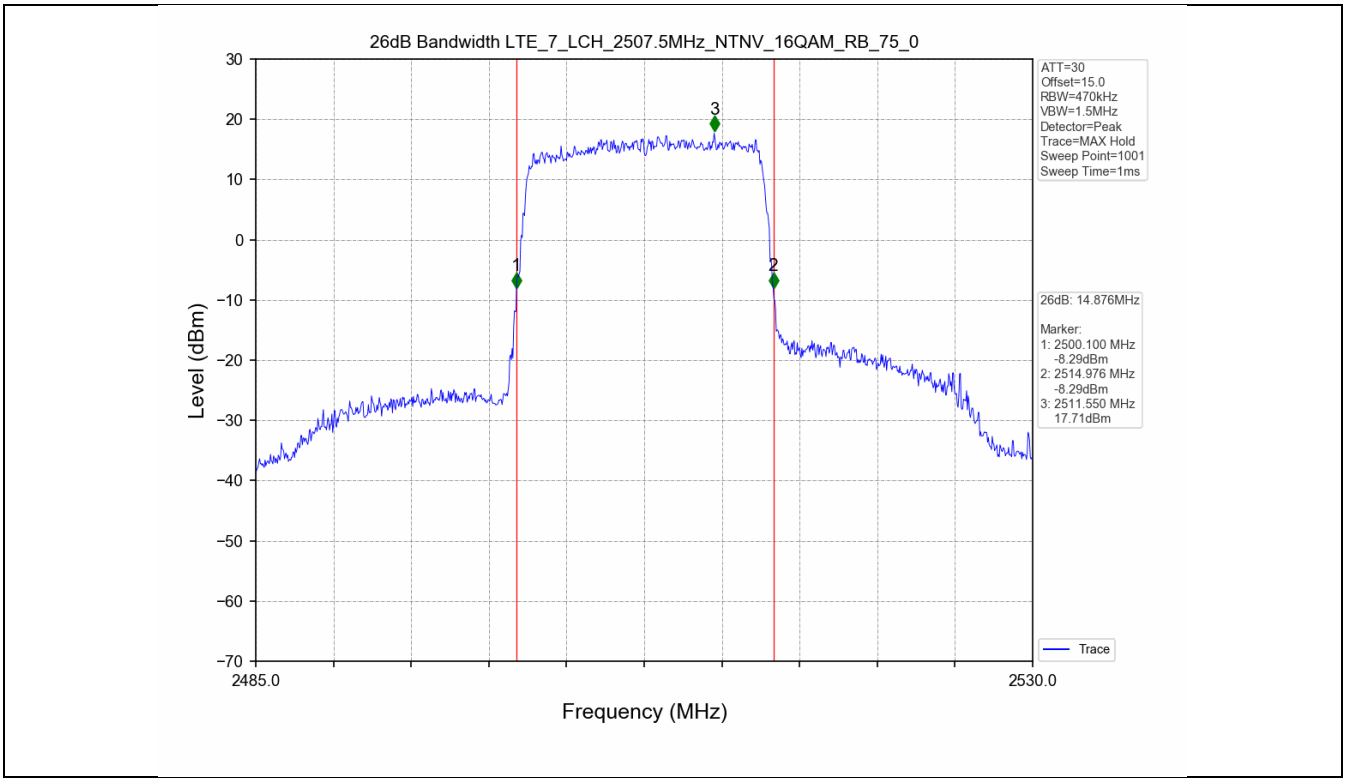

99% Bandwidth LTE_7_LCH_2507.5MHz_NTNV_QPSK_RB_75_0
ATT=30
Offset=15.0
RBW=470kHz
VBW=1.5MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 13.521MHz
Marker:
1: 2500.822 MHz
13.01dBm
2: 2514.343 MHz
11.61dBm
Trace
Level (dBm)
Frequency (MHz)
2485.0
2530.0

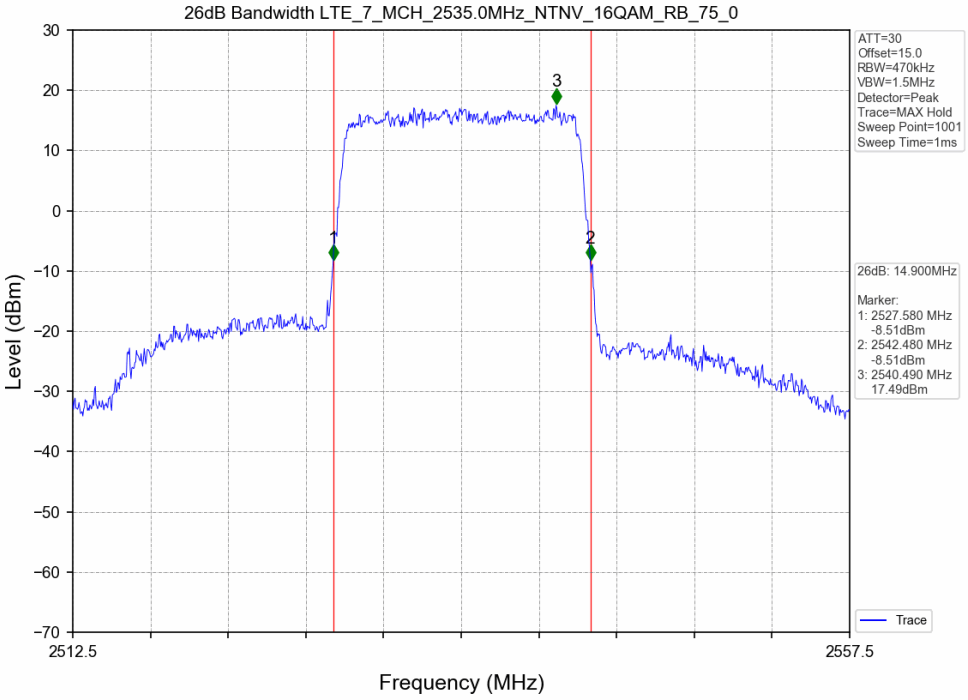

99% Bandwidth LTE_7_MCH_2535.0MHz_NTNV_QPSK_RB_75_0
ATT=30
Offset=15.0
RBW=470kHz
VBW=1.5MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 13.563MHz
Marker:
1: 2528.276 MHz
12.94dBm
2: 2541.839 MHz
11.39dBm
Trace
Level (dBm)
Frequency (MHz)
2512.5
2557.5

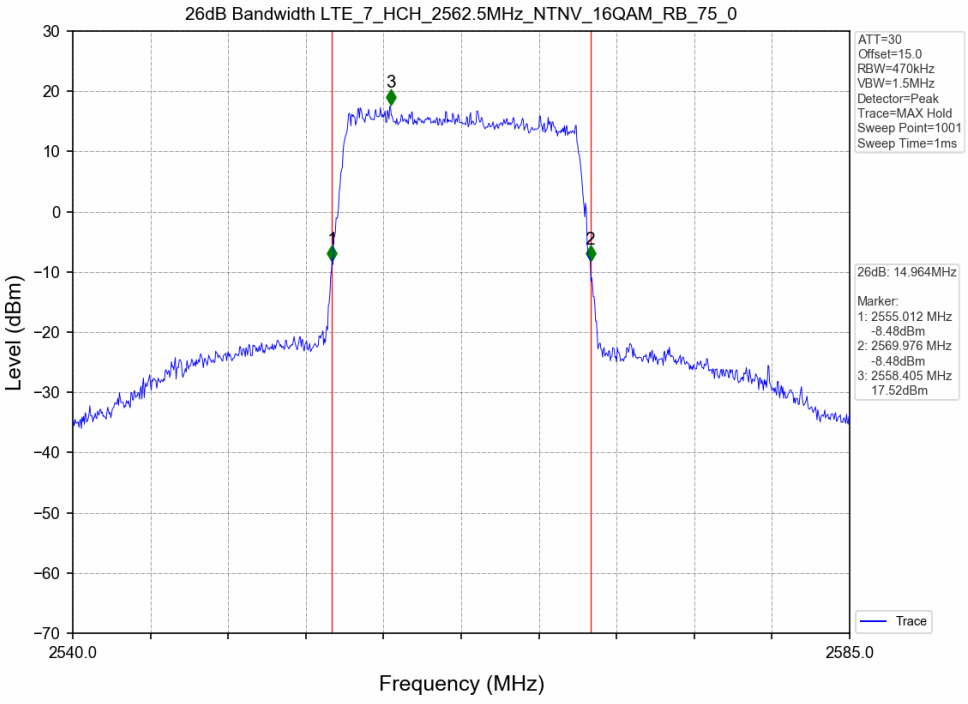

99% Bandwidth LTE_7_HCH_2562.5MHz_NTNV_QPSK_RB_75_0
ATT=30
Offset=15.0
RBW=470kHz
VBW=1.5MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 13.571MHz
Marker:
1: 2555.710 MHz
12.55dBm
2: 2569.281 MHz
10.33dBm
Trace
Level (dBm)
Frequency (MHz)
2540.0
2585.0

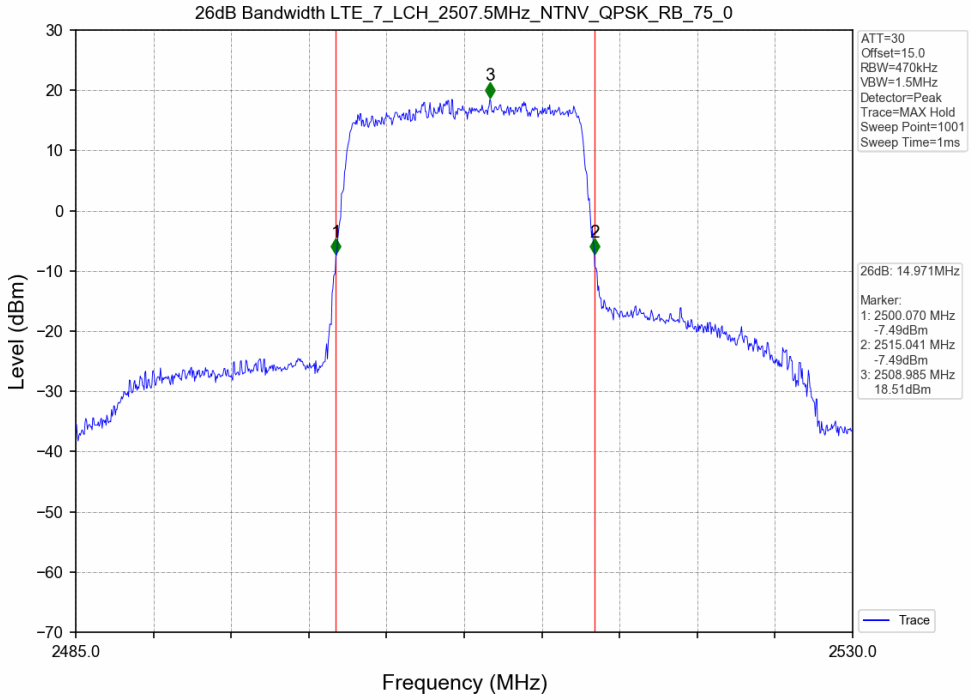
Test Band: 7 _ 15MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	75	0	14.971	14.967	15.046	N/A	PASS
16QAM	75	0	14.876	14.900	14.964	N/A	PASS

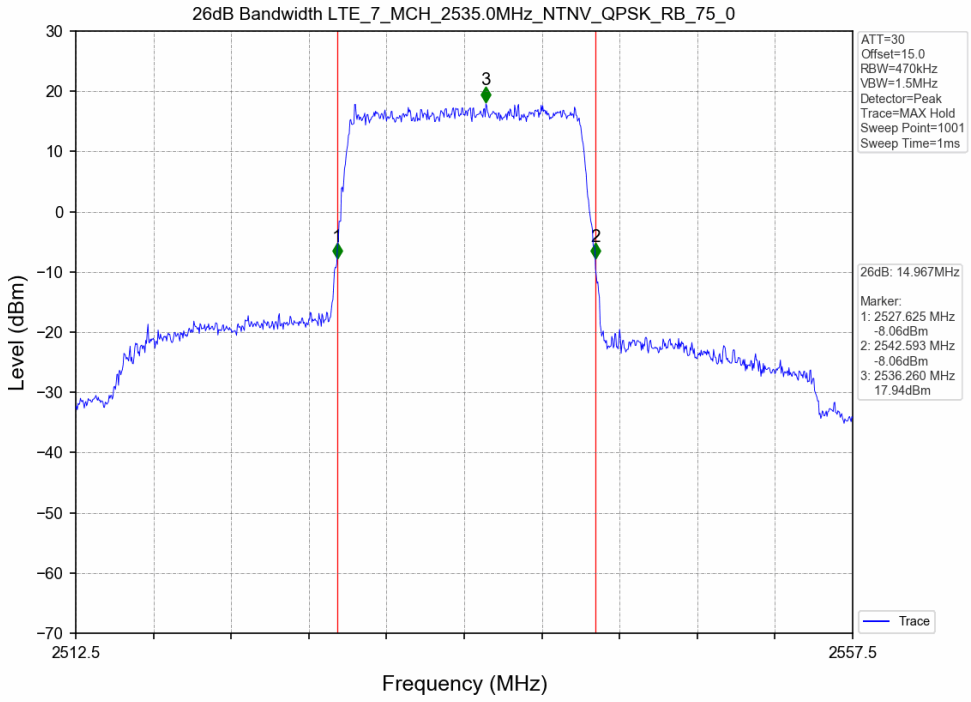
4.2 Test Graph

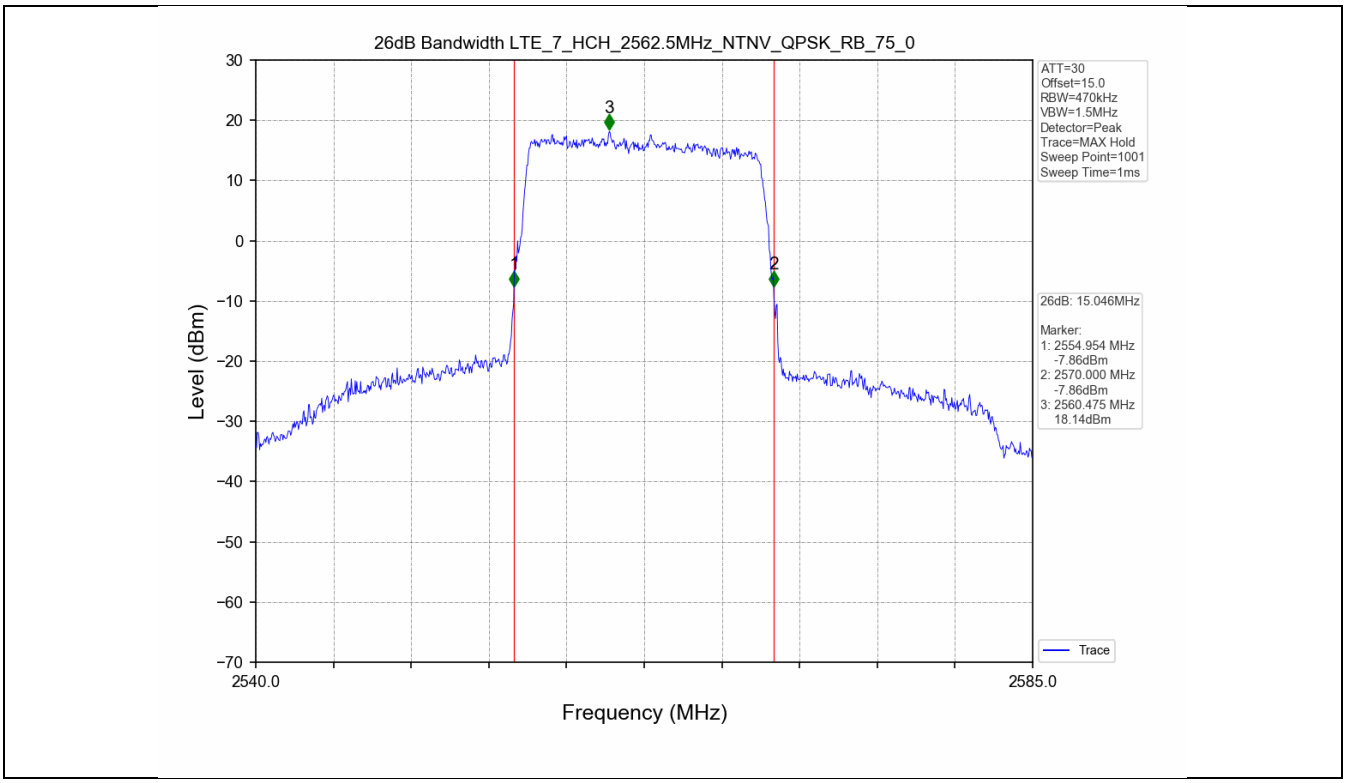



26dB Bandwidth LTE_7_MCH_2535.0MHz_NTNV_16QAM_RB_75_0
ATT=30
Offset=15.0
RBW=470kHz
VBW=1.5MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 14.900MHz
Marker:
1: 2527.580 MHz
-8.51dBm
2: 2542.480 MHz
-8.51dBm
3: 2540.490 MHz
17.49dBm
Trace
Level (dBm)
Frequency (MHz)
2512.5
2557.5


26dB Bandwidth LTE_7_HCH_2562.5MHz_NTNV_16QAM_RB_75_0
ATT=30
Offset=15.0
RBW=470kHz
VBW=1.5MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 14.964MHz
Marker:
1: 2555.012 MHz
-8.48dBm
2: 2569.976 MHz
-8.48dBm
3: 2558.405 MHz
17.52dBm
Trace
Level (dBm)
Frequency (MHz)
2540.0
2585.0

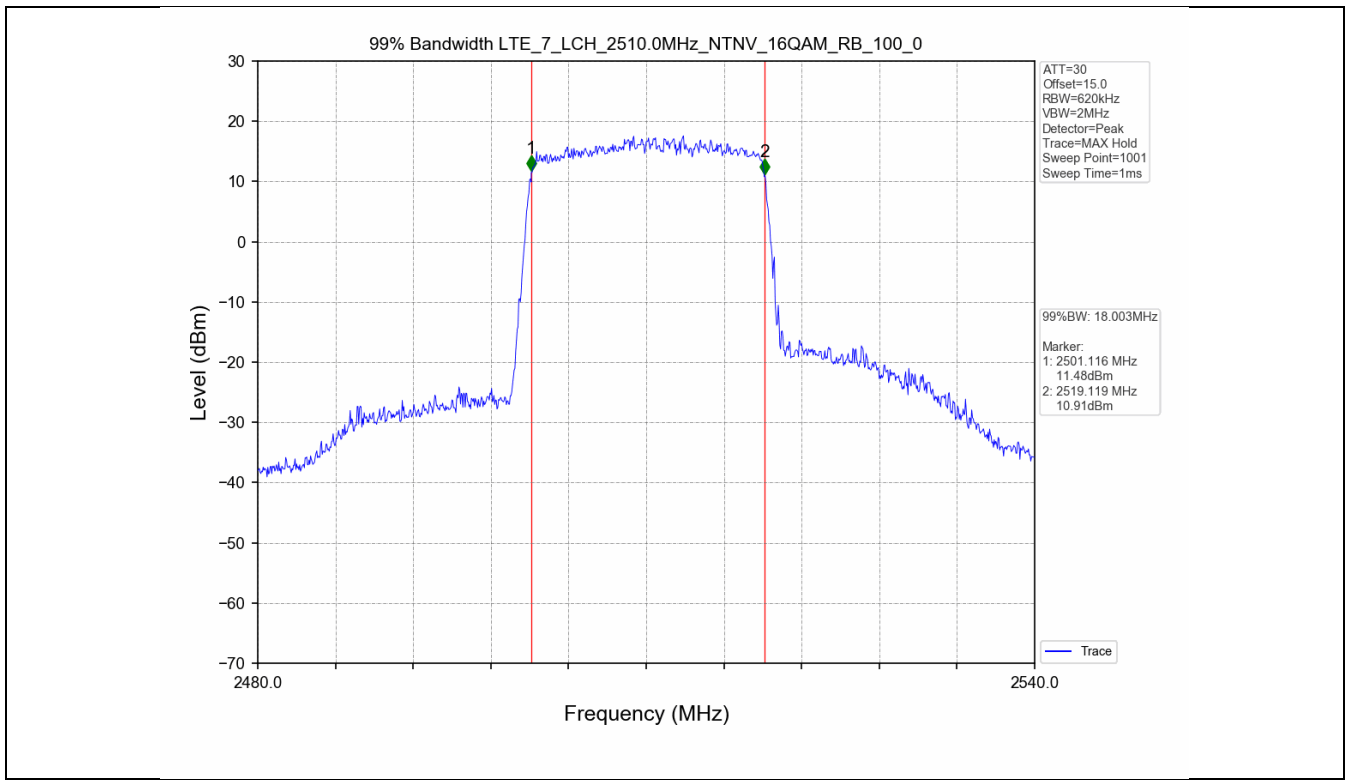

26dB Bandwidth LTE_7_LCH_2507.5MHz_NTNV_QPSK_RB_75_0
ATT=30
Offset=15.0
RBW=470kHz
VBW=1.5MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 14.971MHz
Marker:
1: 2500.070 MHz
-7.49dBm
2: 2515.041 MHz
-7.49dBm
3: 2508.985 MHz
18.51dBm
Trace
Level (dBm)
Frequency (MHz)
2485.0
2530.0

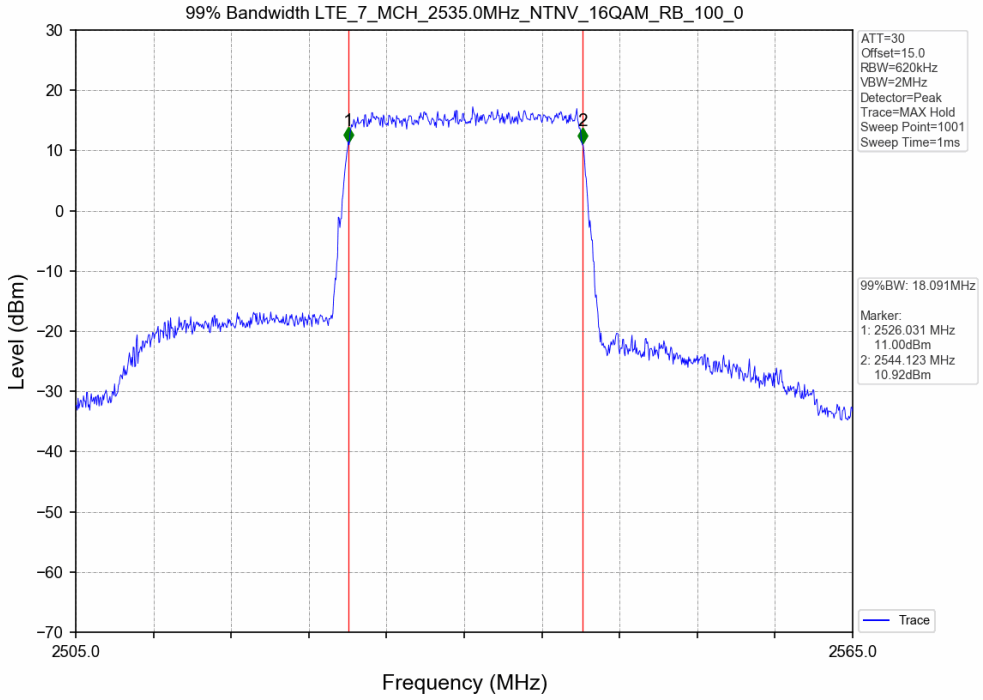

26dB Bandwidth LTE_7_MCH_2535.0MHz_NTNV_QPSK_RB_75_0
ATT=30
Offset=15.0
RBW=470kHz
VBW=1.5MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 14.967MHz
Marker:
1: 2527.625 MHz
-8.06dBm
2: 2542.593 MHz
-8.06dBm
3: 2536.260 MHz
17.94dBm
Trace
Level (dBm)
Frequency (MHz)
2512.5
2557.5

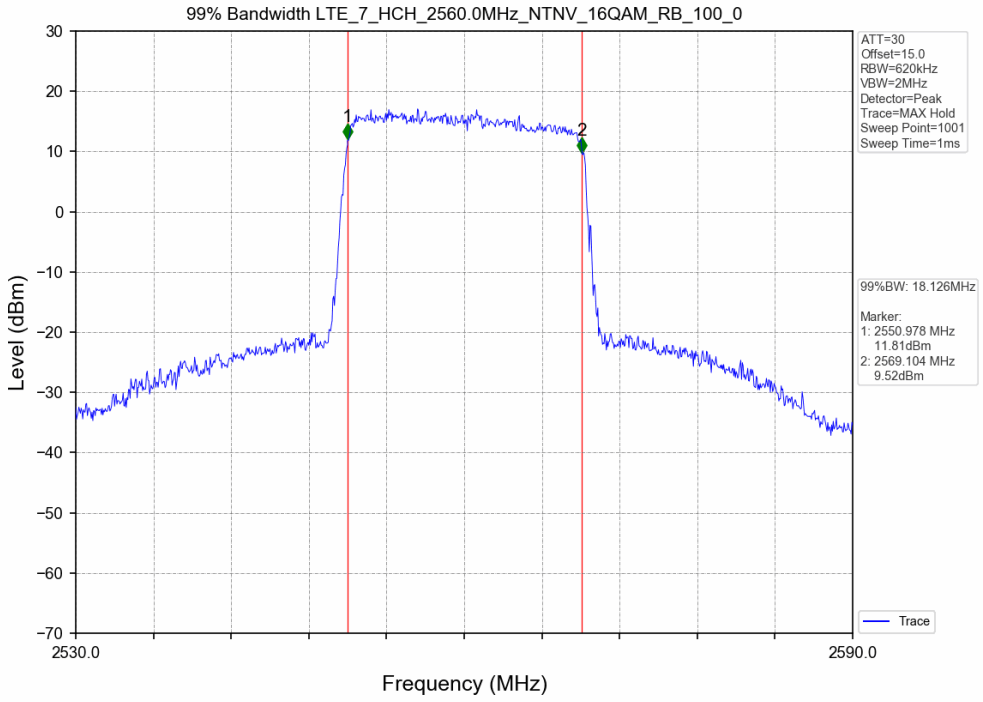

26dB Bandwidth LTE_7_HCH_2562.5MHz_NTNV_QPSK_RB_75_0
ATT=30
Offset=15.0
RBW=470kHz
VBW=1.5MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 15.046MHz
Marker:
1: 2554.954 MHz
-7.86dBm
2: 2570.000 MHz
-7.86dBm
3: 2560.475 MHz
18.14dBm
Trace
Level (dBm)
Frequency (MHz)
2540.0
2585.0

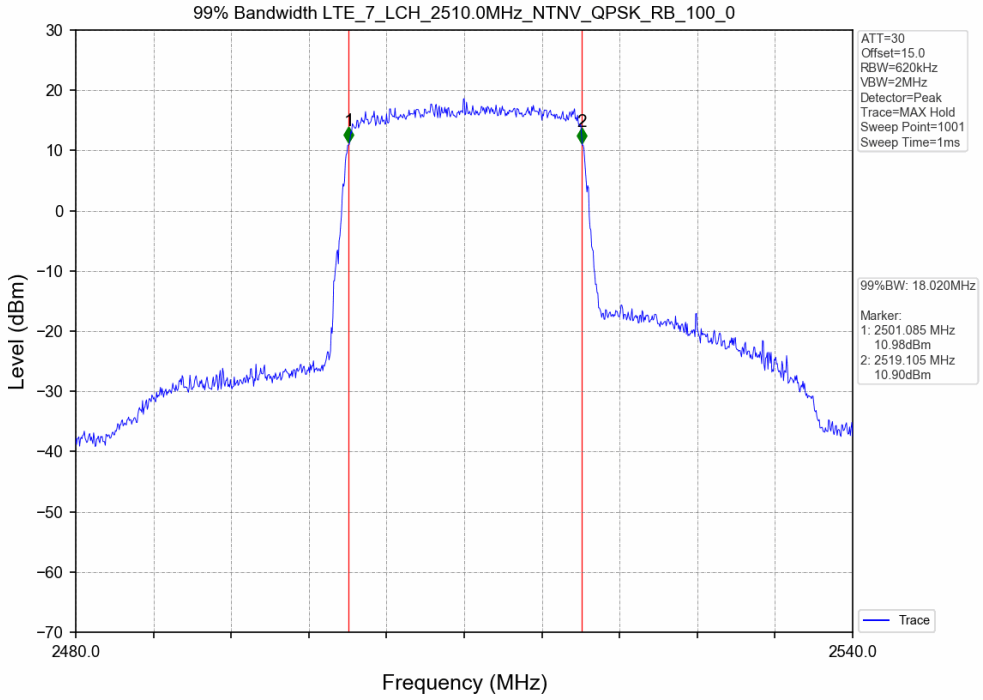
Test Band: 7 _ 20MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	100	0	18.020	18.098	18.044	N/A	PASS
16QAM	100	0	18.003	18.091	18.126	N/A	PASS

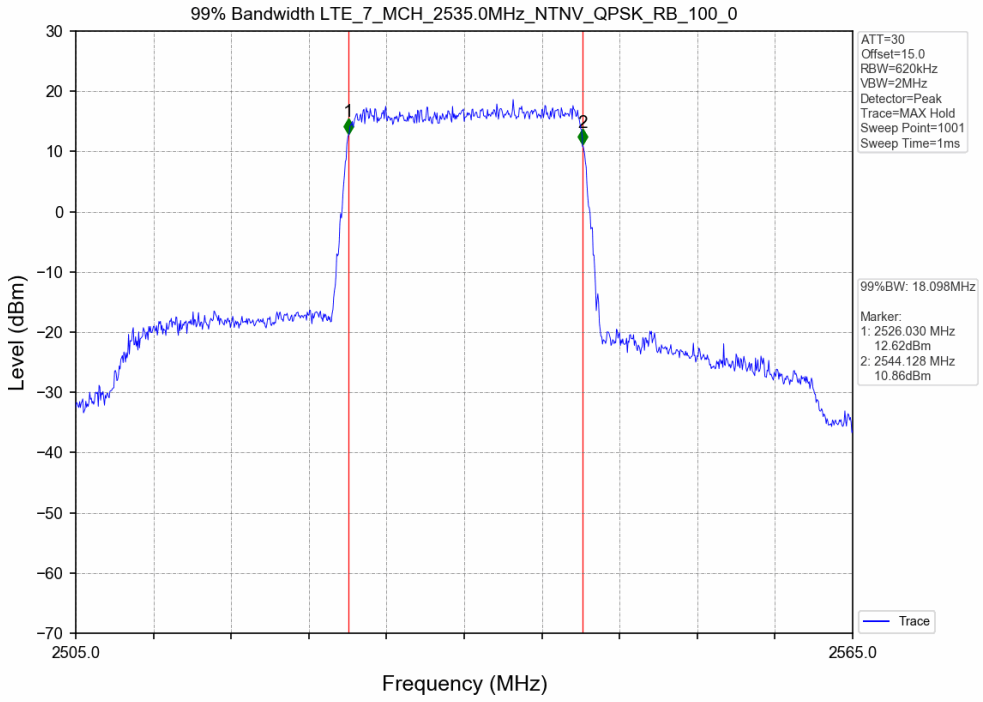
4.2 Test Graph

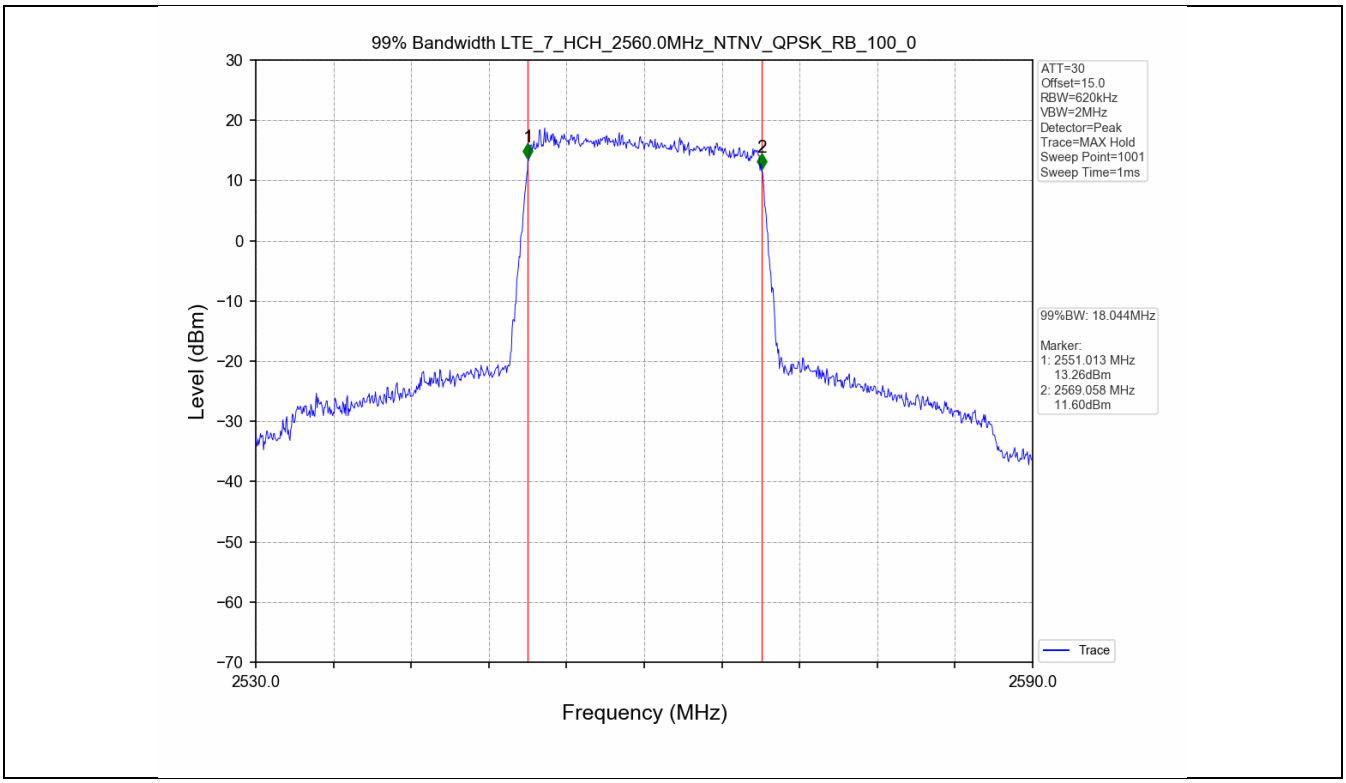



99% Bandwidth LTE_7_MCH_2535.0MHz_NTNV_16QAM_RB_100_0
ATT=30
Offset=15.0
RBW=620kHz
VBW=2MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 18.091MHz
Marker:
1: 2526.031 MHz
11.00dBm
2: 2544.123 MHz
10.92dBm
Trace
Level (dBm)
Frequency (MHz)
2505.0
2565.0


99% Bandwidth LTE_7_HCH_2560.0MHz_NTNV_16QAM_RB_100_0
ATT=30
Offset=15.0
RBW=620kHz
VBW=2MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 18.126MHz
Marker:
1: 2550.978 MHz
11.81dBm
2: 2569.104 MHz
9.52dBm
Trace
Level (dBm)
Frequency (MHz)
2530.0
2590.0

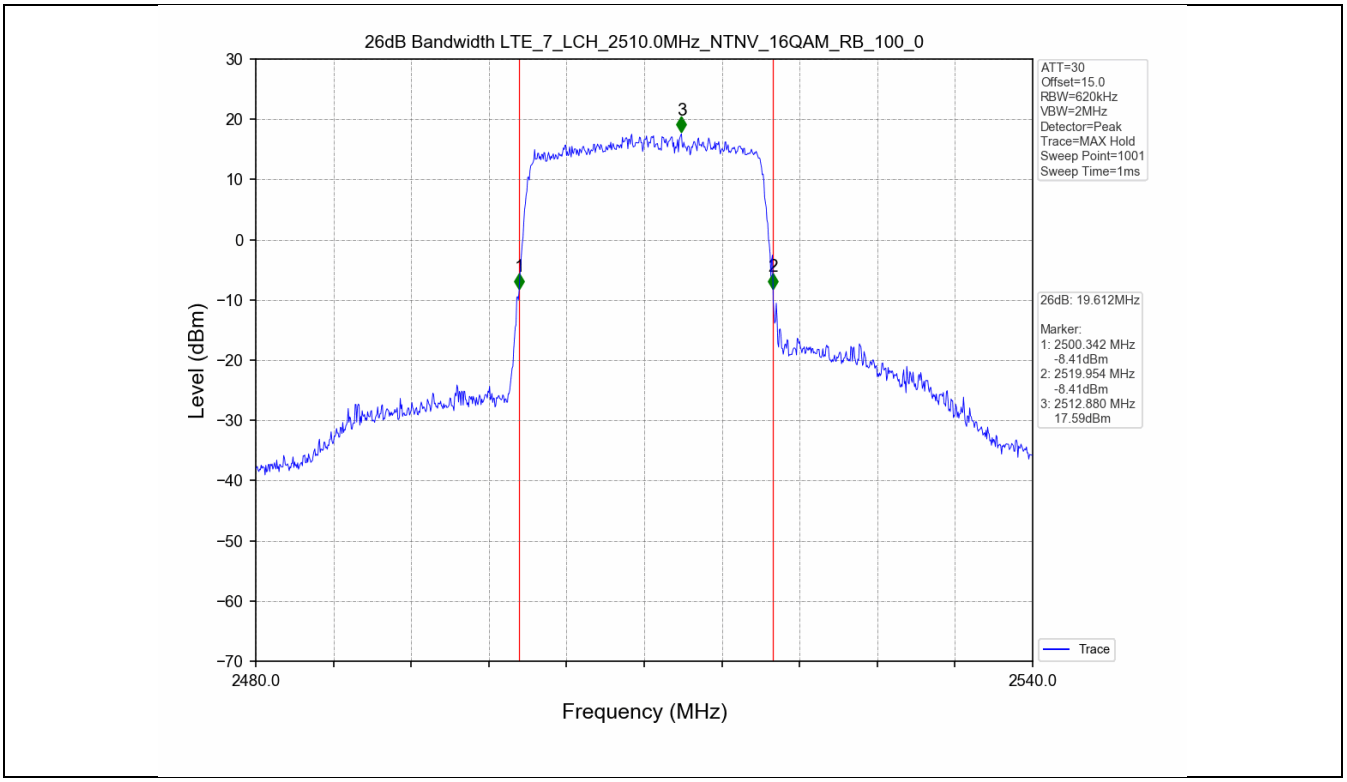

99% Bandwidth LTE_7_LCH_2510.0MHz_NTNV_QPSK_RB_100_0
ATT=30
Offset=15.0
RBW=620kHz
VBW=2MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 18.020MHz
Marker:
1: 2501.085 MHz
10.98dBm
2: 2519.105 MHz
10.90dBm
Trace
Level (dBm)
Frequency (MHz)
2480.0
2540.0

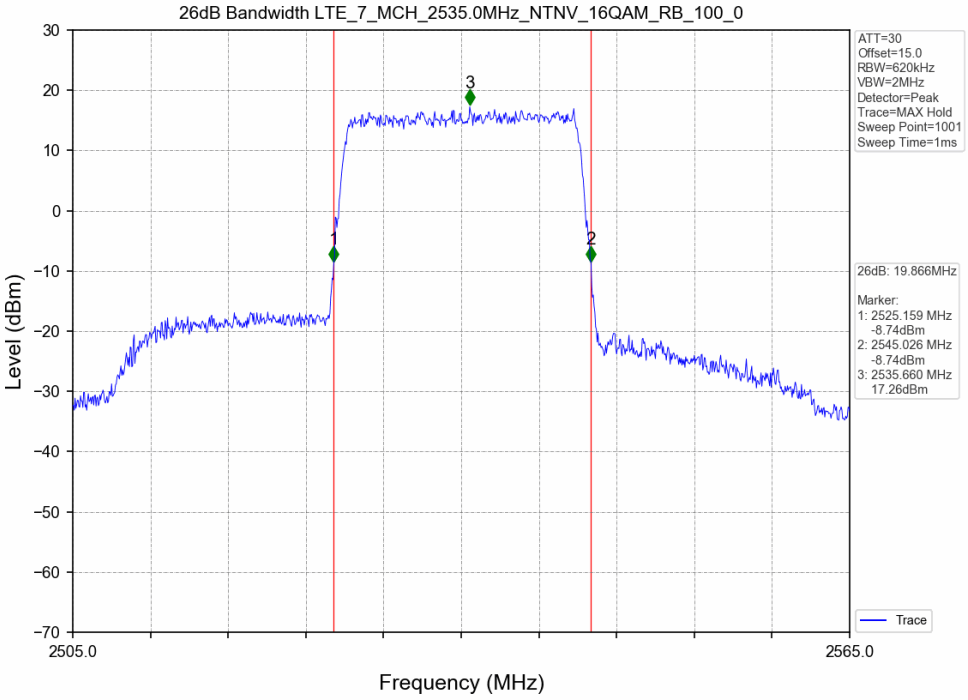

99% Bandwidth LTE_7_MCH_2535.0MHz_NTNV_QPSK_RB_100_0
ATT=30
Offset=15.0
RBW=620kHz
VBW=2MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 18.098MHz
Marker:
1: 2526.030 MHz
12.62dBm
2: 2544.128 MHz
10.86dBm
Trace
Level (dBm)
Frequency (MHz)
2505.0
2565.0

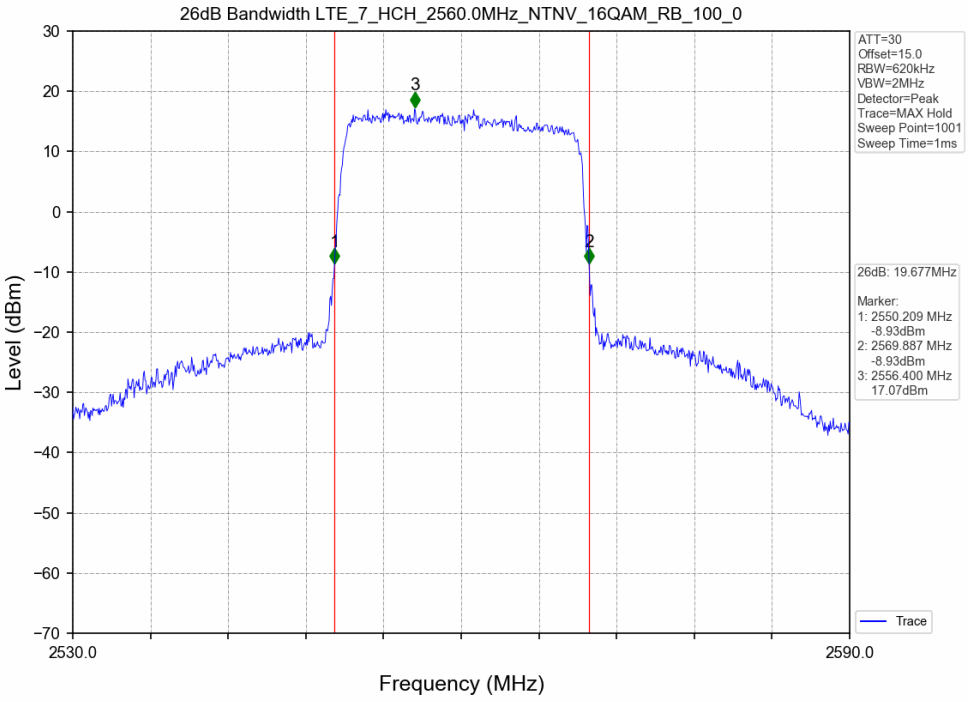

99% Bandwidth LTE_7_HCH_2560.0MHz_NTNV_QPSK_RB_100_0
ATT=30
Offset=15.0
RBW=620kHz
VBW=2MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%BW: 18.044MHz
Marker:
1: 2551.013 MHz
13.26dBm
2: 2569.058 MHz
11.60dBm
Trace
Level (dBm)
Frequency (MHz)
30
20
10
0
−10
−20
−30
−40
−50
−60
−70
2530.0
2590.0
1
2

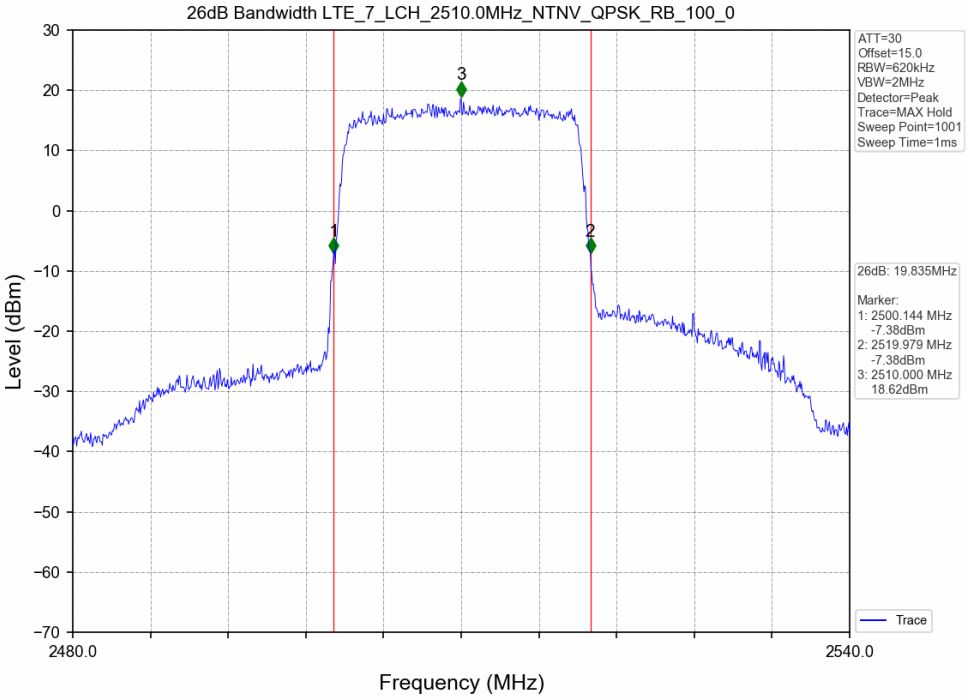
Test Band: 7 _ 20MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	100	0	19.835	19.874	19.674	N/A	PASS
16QAM	100	0	19.612	19.866	19.677	N/A	PASS

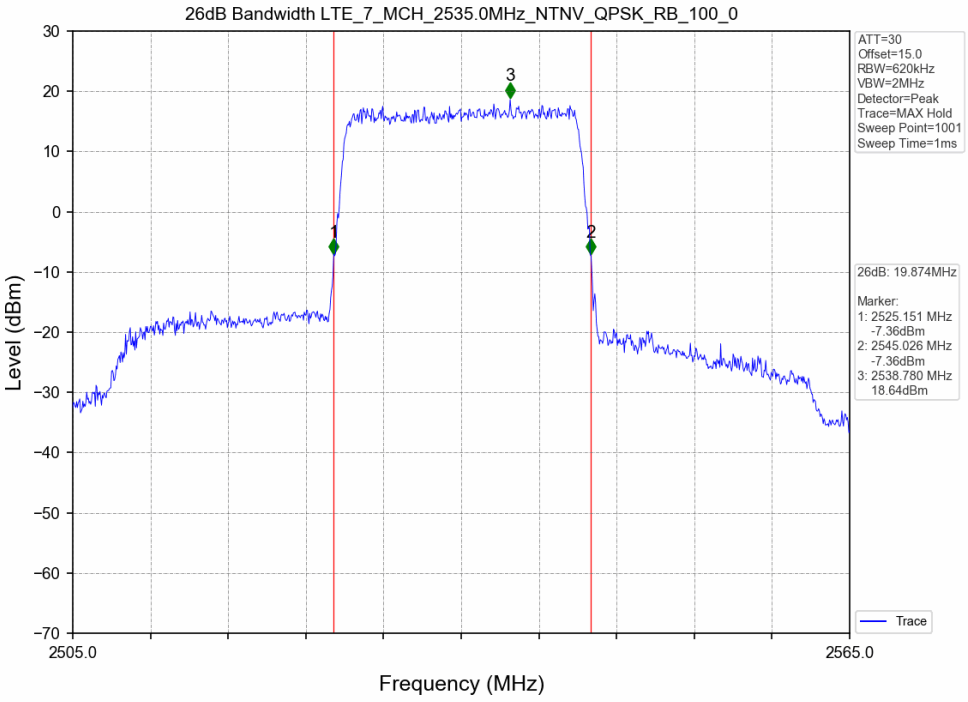
4.2 Test Graph

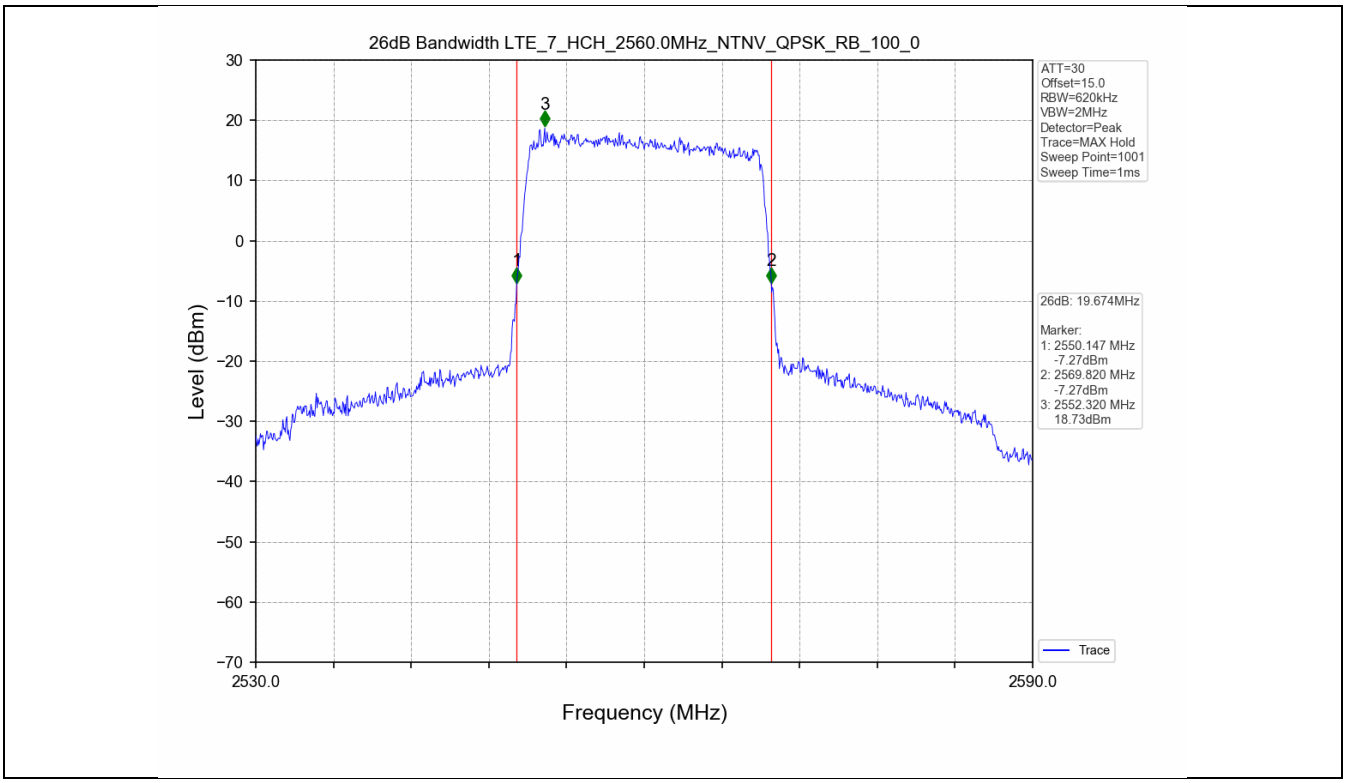



26dB Bandwidth LTE_7_MCH_2535.0MHz_NTNV_16QAM_RB_100_0
ATT=30
Offset=15.0
RBW=620kHz
VBW=2MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 19.866MHz
Marker:
1: 2525.159 MHz
-8.74dBm
2: 2545.026 MHz
-8.74dBm
3: 2535.660 MHz
17.26dBm
Trace
Level (dBm)
Frequency (MHz)
2505.0
2565.0


26dB Bandwidth LTE_7_HCH_2560.0MHz_NTNV_16QAM_RB_100_0
ATT=30
Offset=15.0
RBW=620kHz
VBW=2MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 19.677MHz
Marker:
1: 2550.209 MHz
-8.93dBm
2: 2569.887 MHz
-8.93dBm
3: 2556.400 MHz
17.07dBm
Trace
Level (dBm)
Frequency (MHz)
2530.0
2590.0


26dB Bandwidth LTE_7_LCH_2510.0MHz_NTNV_QPSK_RB_100_0
ATT=30
Offset=15.0
RBW=620kHz
VBW=2MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 19.835MHz
Marker:
1: 2500.144 MHz
-7.38dBm
2: 2519.979 MHz
-7.38dBm
3: 2510.000 MHz
18.62dBm
Trace
Level (dBm)
Frequency (MHz)
2480.0
2540.0


26dB Bandwidth LTE_7_MCH_2535.0MHz_NTNV_QPSK_RB_100_0
ATT=30
Offset=15.0
RBW=620kHz
VBW=2MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 19.874MHz
Marker:
1: 2525.151 MHz
-7.36dBm
2: 2545.026 MHz
-7.36dBm
3: 2538.780 MHz
18.64dBm
Trace
Level (dBm)
Frequency (MHz)
2505.0
2565.0

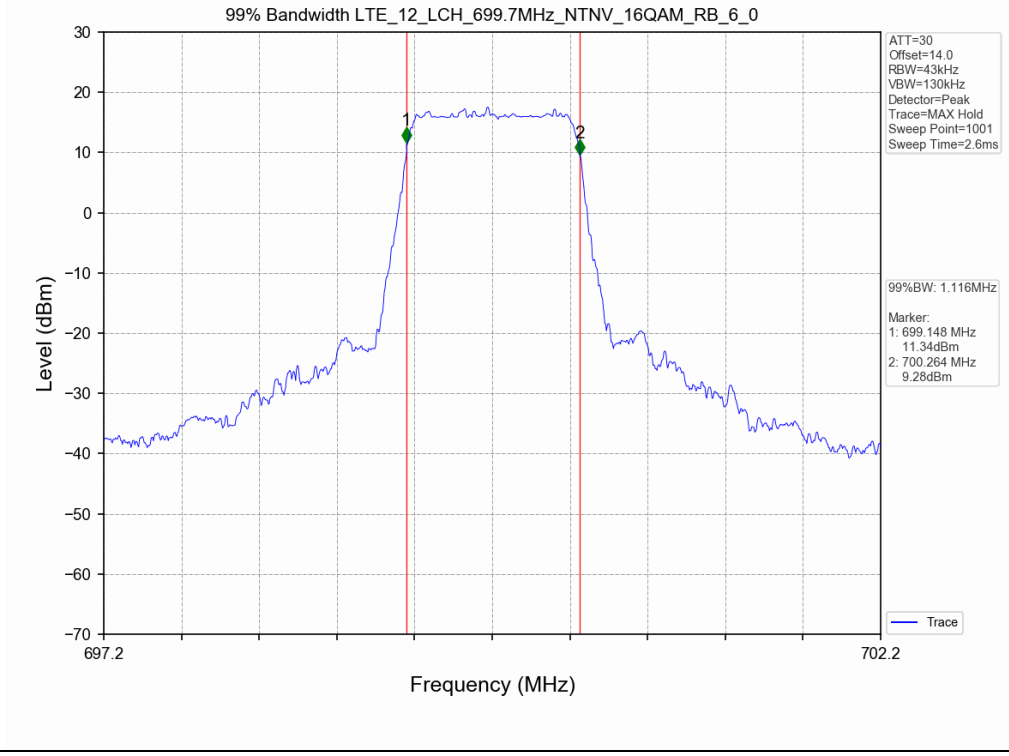

26dB Bandwidth LTE_7_HCH_2560.0MHz_NTNV_QPSK_RB_100_0
ATT=30
Offset=15.0
RBW=620kHz
VBW=2MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 19.674MHz
Marker:
1: 2550.147 MHz
-7.27dBm
2: 2569.820 MHz
-7.27dBm
3: 2552.320 MHz
18.73dBm
Trace
Level (dBm)
Frequency (MHz)
2530.0
2590.0

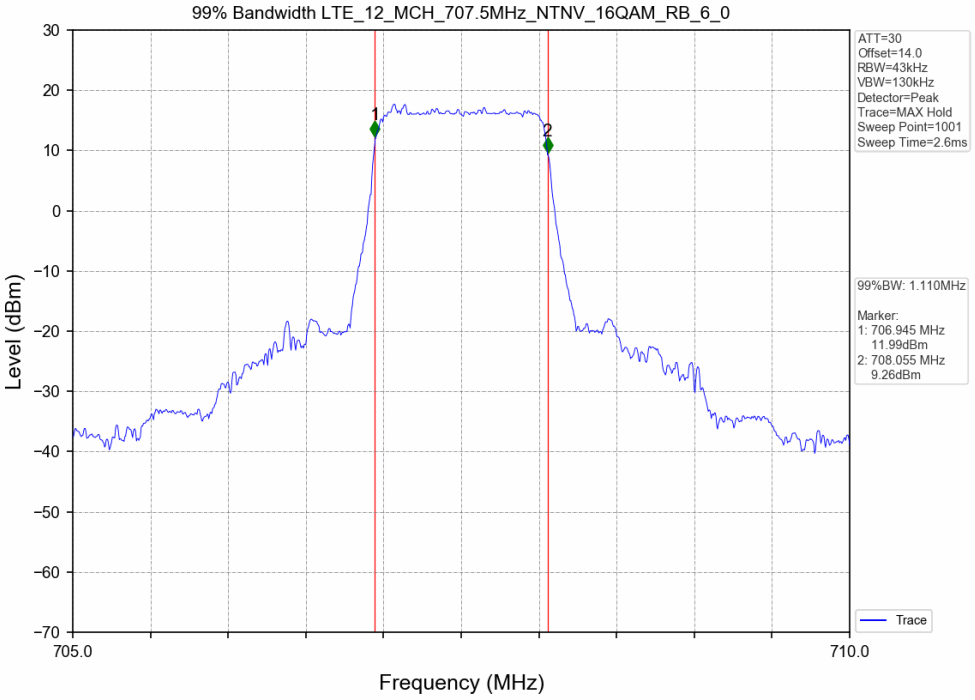
5. 99% & 26dB Bandwidth

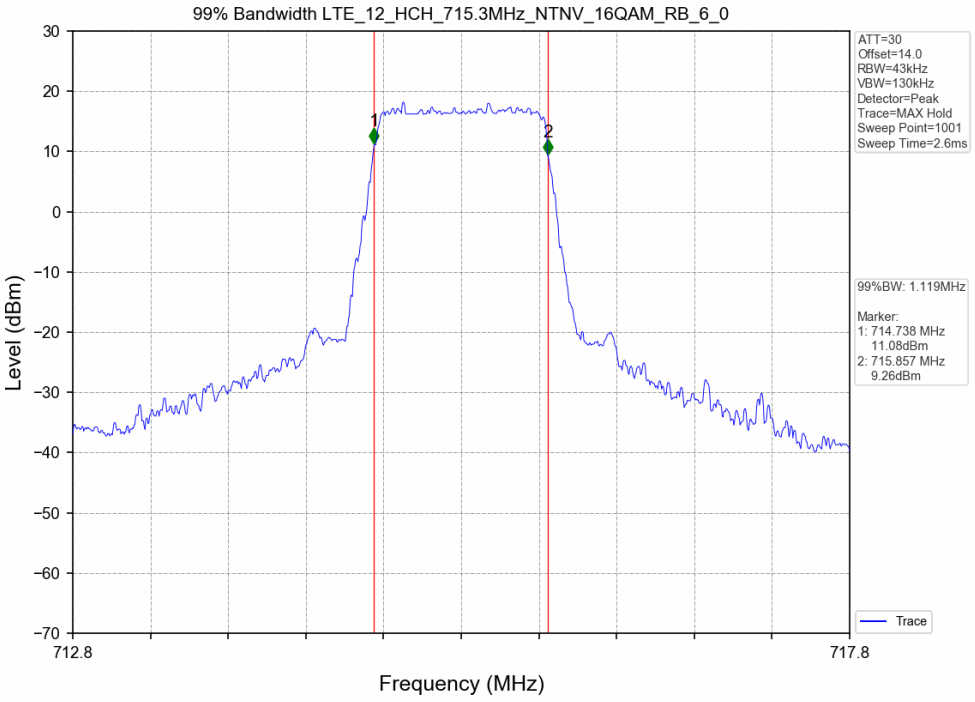
5.1 Test Result

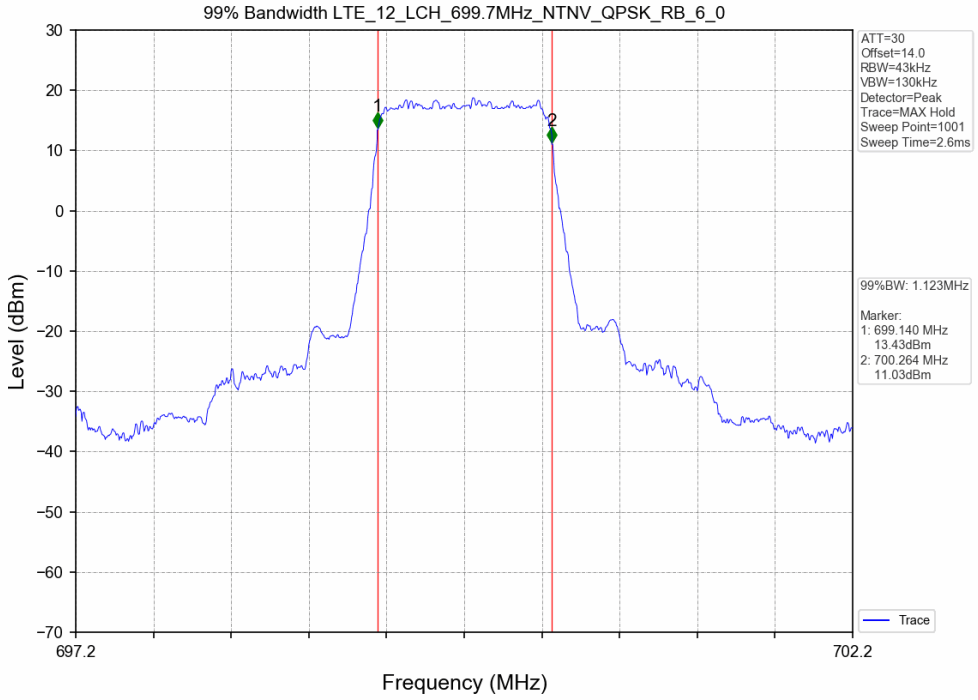
Test Band: 12 _ 1.4MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	1.123	1.114	1.106	N/A	PASS
16QAM	6	0	1.116	1.110	1.119	N/A	PASS

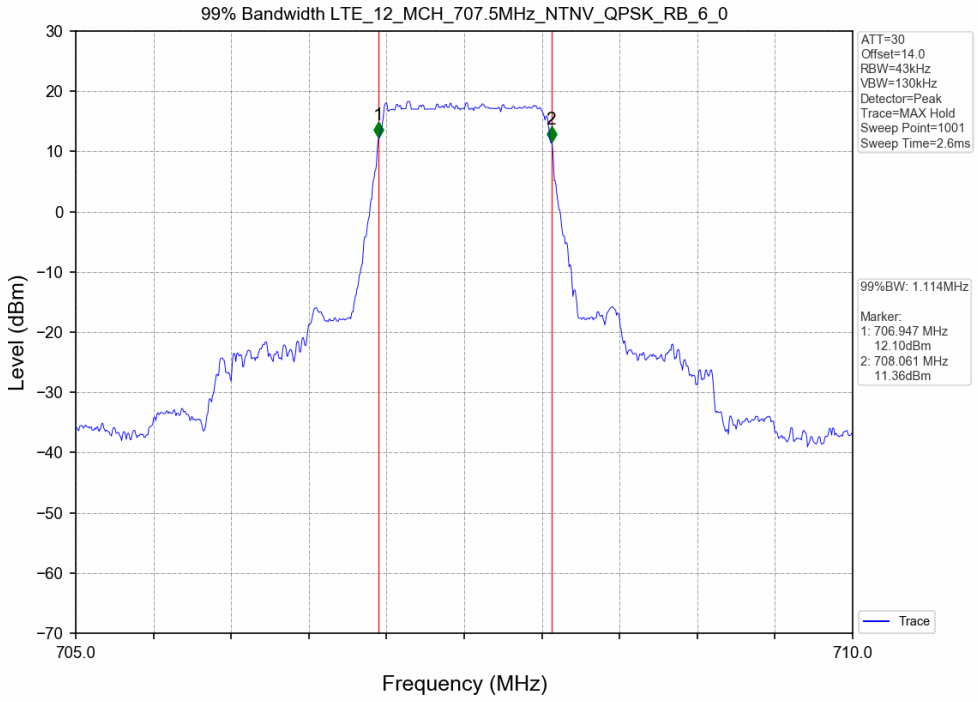
5.2 Test Graph

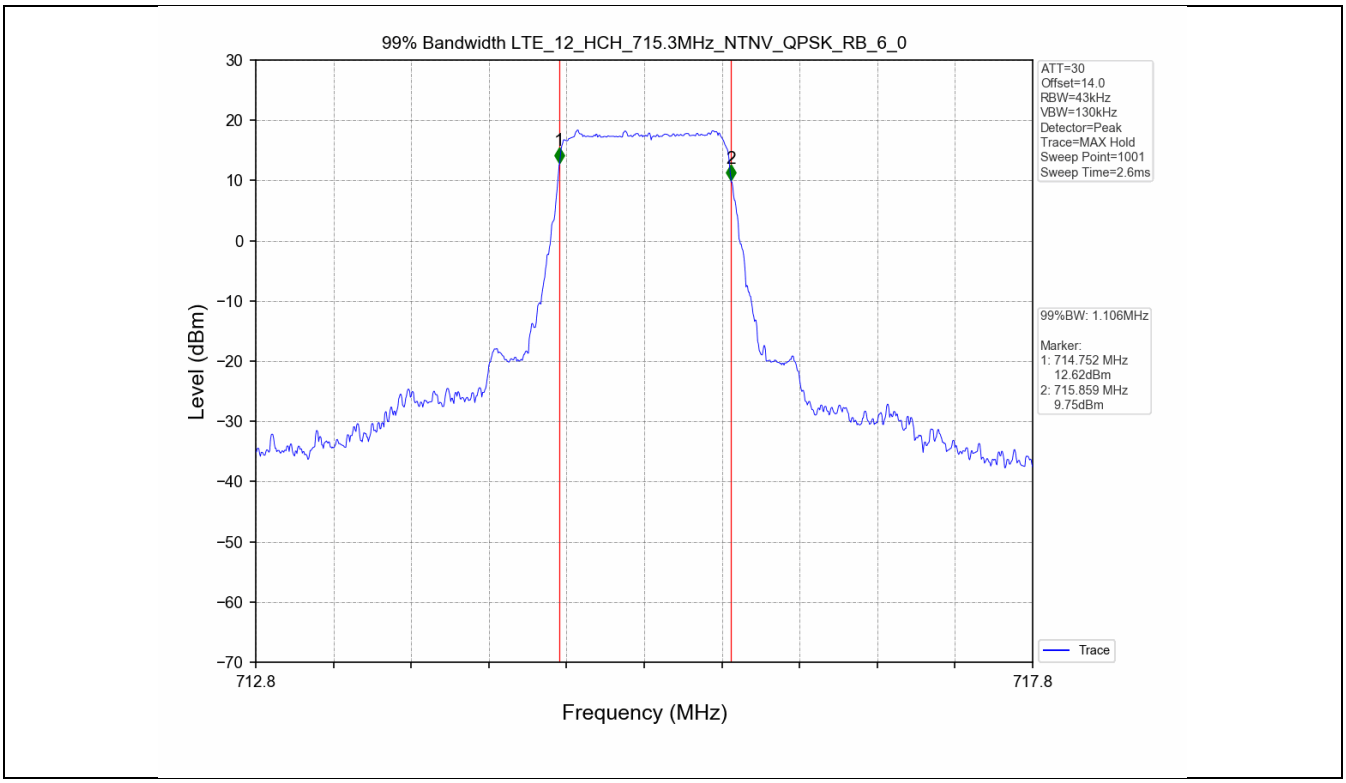



99% Bandwidth LTE_12_MCH_707.5MHz_NTNV_16QAM_RB_6_0
ATT=30
Offset=14.0
RBW=43kHz
VBW=130kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.6ms
99%BW: 1.110MHz
Marker:
1: 706.945 MHz
11.99dBm
2: 708.055 MHz
9.26dBm
Trace
Level (dBm)
Frequency (MHz)
705.0
710.0


99% Bandwidth LTE_12_HCH_715.3MHz_NTNV_16QAM_RB_6_0
ATT=30
Offset=14.0
RBW=43kHz
VBW=130kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.6ms
99%BW: 1.119MHz
Marker:
1: 714.738 MHz
11.08dBm
2: 715.857 MHz
9.26dBm
Trace
Level (dBm)
Frequency (MHz)
712.8
717.8

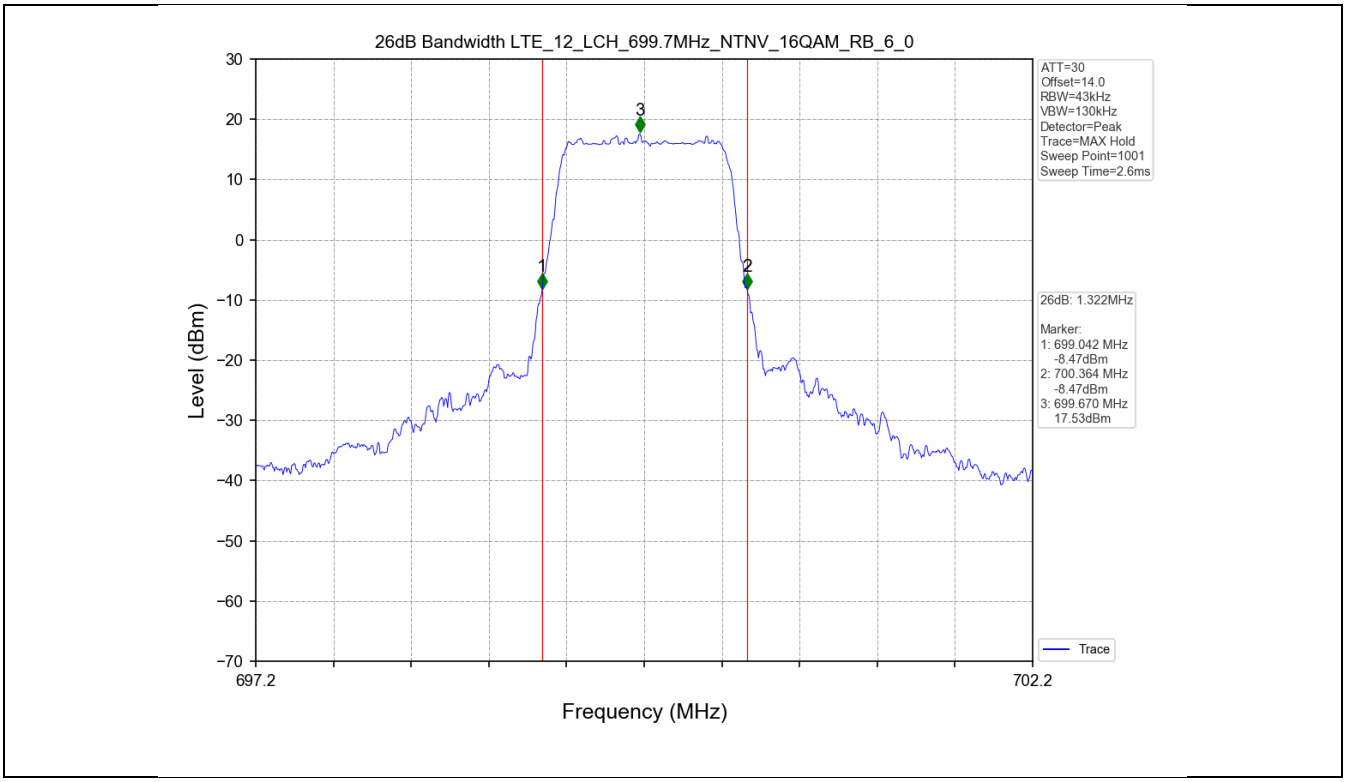

99% Bandwidth LTE_12_LCH_699.7MHz_NTNV_QPSK_RB_6_0
ATT=30
Offset=14.0
RBW=43kHz
VBW=130kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.6ms
99%BW: 1.123MHz
Marker:
1: 699.140 MHz
13.43dBm
2: 700.264 MHz
11.03dBm
Trace
Level (dBm)
Frequency (MHz)
697.2
702.2

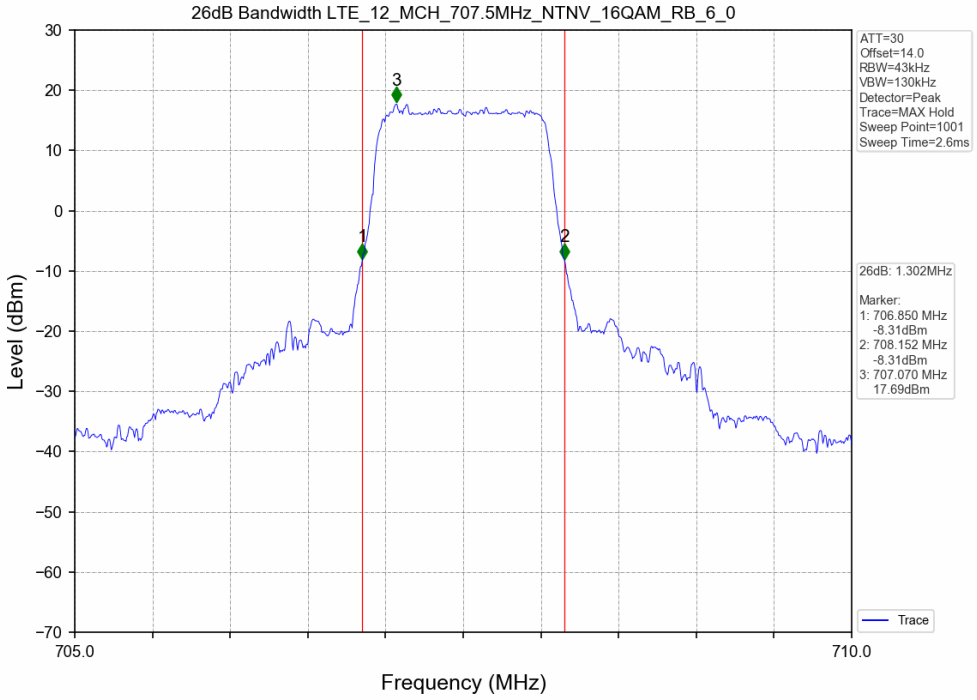

99% Bandwidth LTE_12_MCH_707.5MHz_NTNV_QPSK_RB_6_0
ATT=30
Offset=14.0
RBW=43kHz
VBW=130kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.6ms
99%BW: 1.114MHz
Marker:
1: 706.947 MHz
12.10dBm
2: 708.061 MHz
11.36dBm
Trace
Level (dBm)
Frequency (MHz)
705.0
710.0

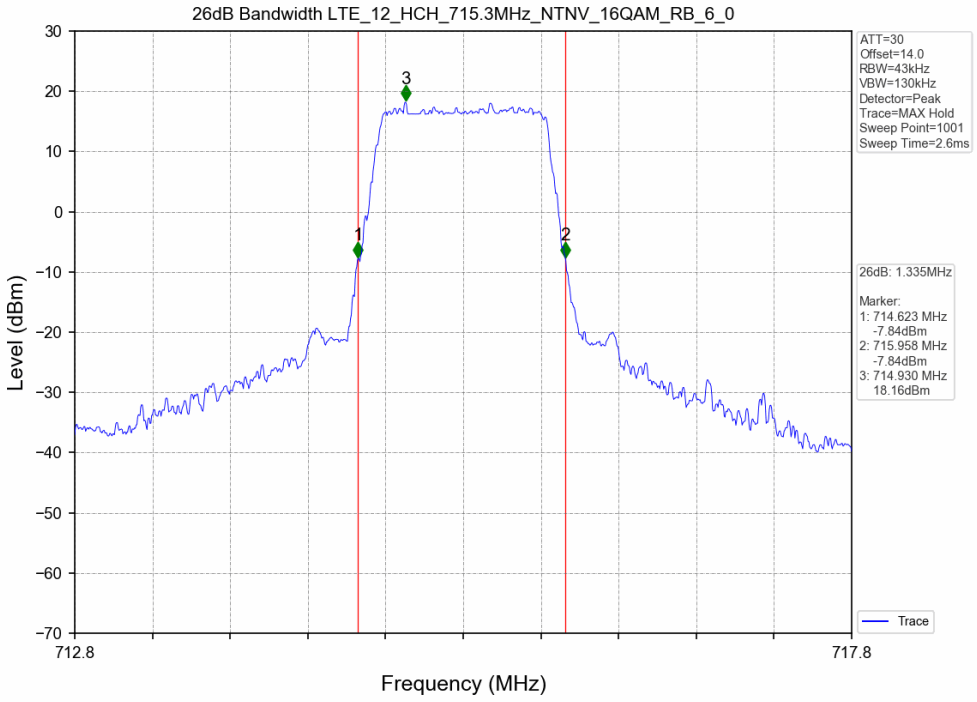

99% Bandwidth LTE_12_HCH_715.3MHz_NTNV_QPSK_RB_6_0
ATT=30
Offset=14.0
RBW=43kHz
VBW=130kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.6ms
99%BW: 1.106MHz
Marker:
1: 714.752 MHz
12.62dBm
2: 715.859 MHz
9.75dBm
Trace
Level (dBm)
Frequency (MHz)
712.8
717.8

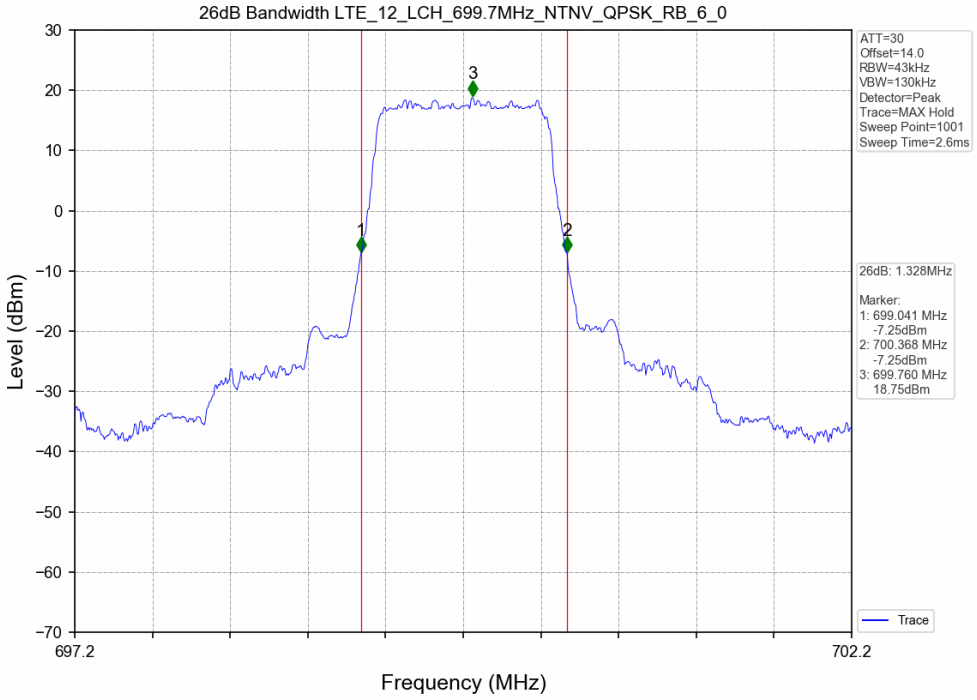
Test Band: 12 _ 1.4MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	1.328	1.323	1.316	N/A	PASS
16QAM	6	0	1.322	1.302	1.335	N/A	PASS

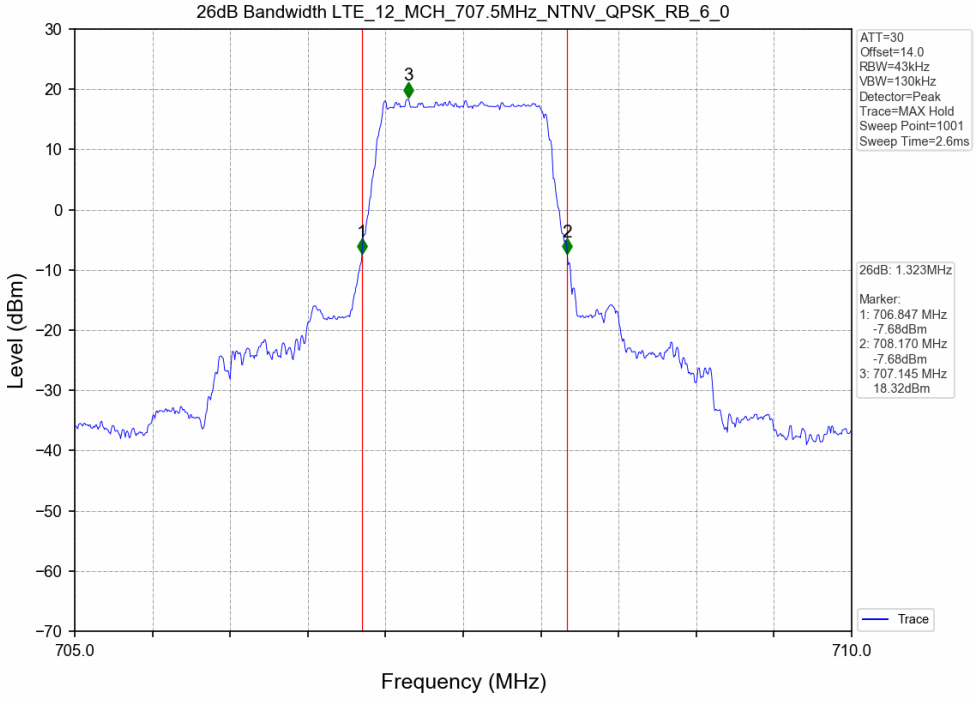
5.2 Test Graph

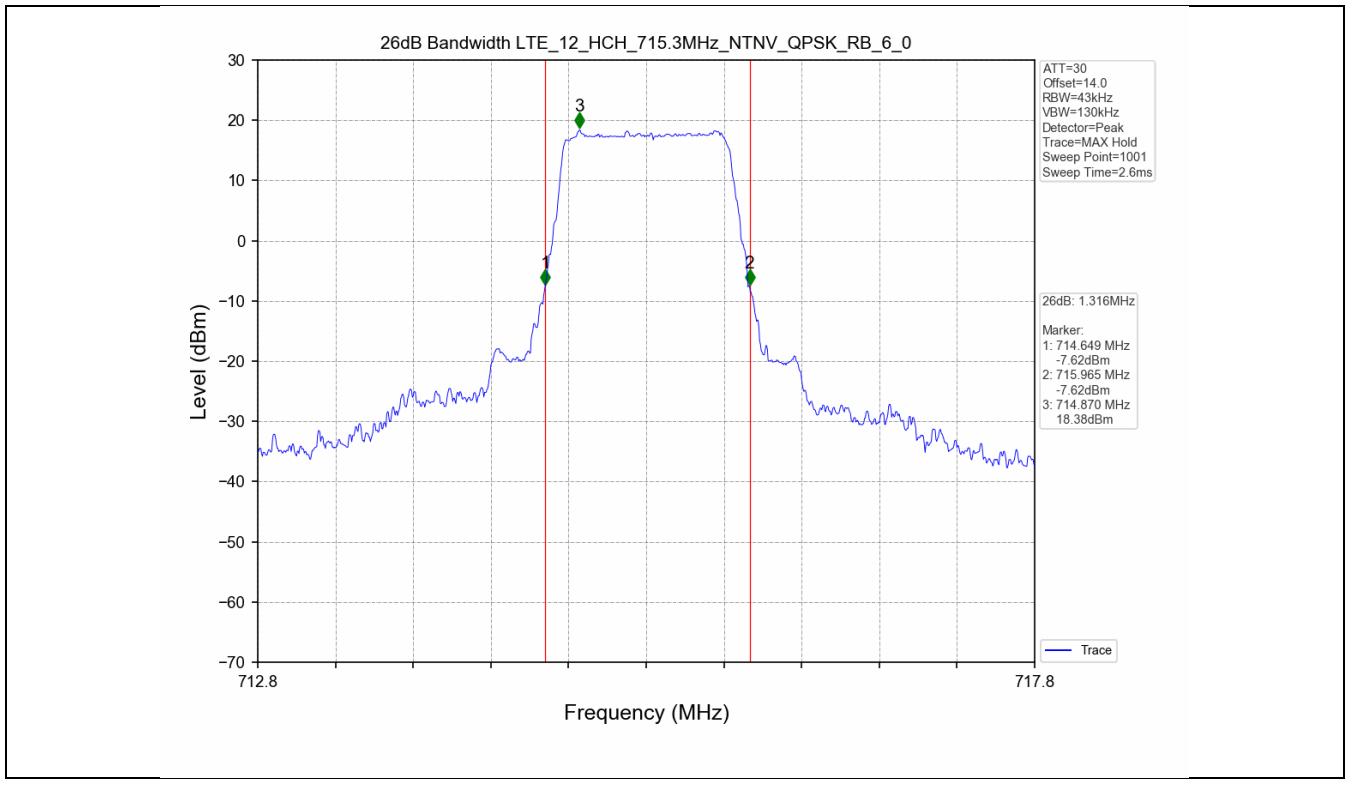



26dB Bandwidth LTE_12_MCH_707.5MHz_NTNV_16QAM_RB_6_0
ATT=30
Offset=14.0
RBW=43kHz
VBW=130kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.6ms
26dB: 1.302MHz
Marker:
1: 706.850 MHz
-8.31dBm
2: 708.152 MHz
-8.31dBm
3: 707.070 MHz
17.69dBm
Trace
Level (dBm)
Frequency (MHz)
705.0
710.0


26dB Bandwidth LTE_12_HCH_715.3MHz_NTNV_16QAM_RB_6_0
ATT=30
Offset=14.0
RBW=43kHz
VBW=130kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.6ms
26dB: 1.335MHz
Marker:
1: 714.623 MHz
-7.84dBm
2: 715.958 MHz
-7.84dBm
3: 714.930 MHz
18.16dBm
Trace
Level (dBm)
Frequency (MHz)
712.8
717.8

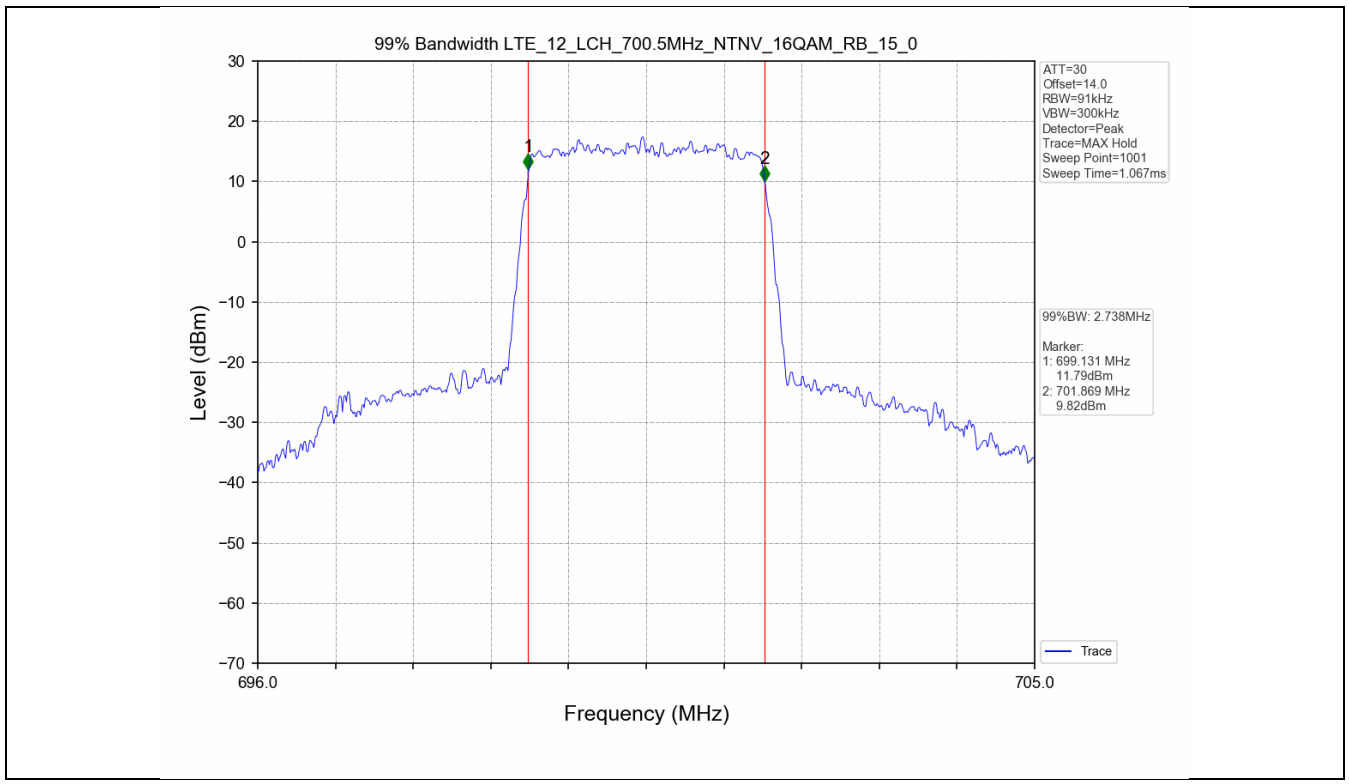

26dB Bandwidth LTE_12_LCH_699.7MHz_NTNV_QPSK_RB_6_0
ATT=30
Offset=14.0
RBW=43kHz
VBW=130kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.6ms
26dB: 1.328MHz
Marker:
1: 699.041 MHz
-7.25dBm
2: 700.368 MHz
-7.25dBm
3: 699.760 MHz
18.75dBm
Trace
Level (dBm)
Frequency (MHz)
697.2
702.2

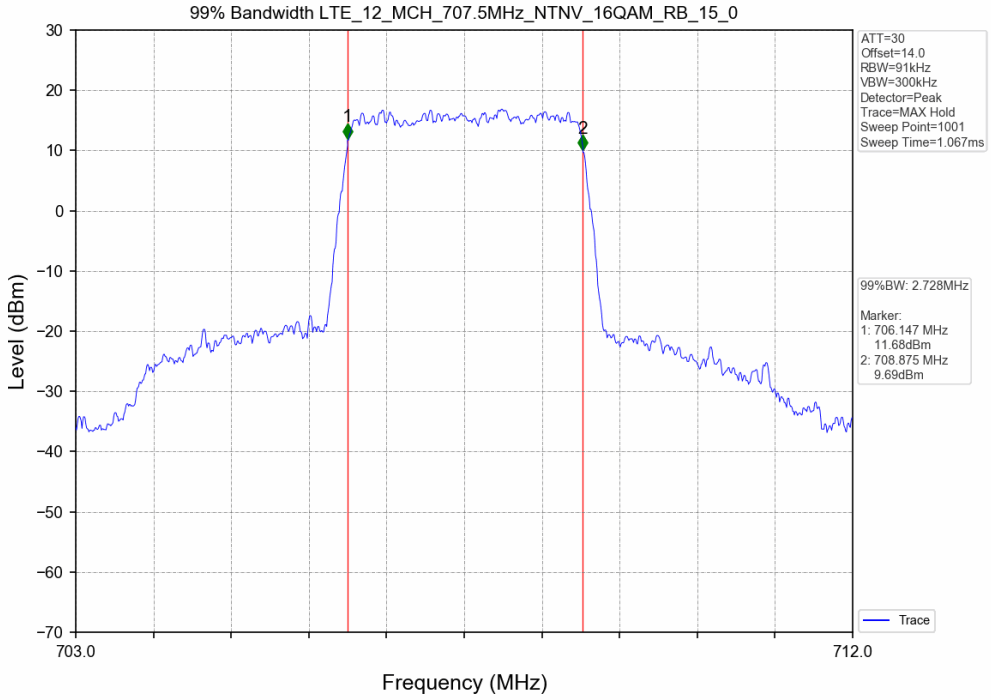

26dB Bandwidth LTE_12_MCH_707.5MHz_NTNV_QPSK_RB_6_0
ATT=30
Offset=14.0
RBW=43kHz
VBW=130kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.6ms
26dB: 1.323MHz
Marker:
1: 706.847 MHz
-7.68dBm
2: 708.170 MHz
-7.68dBm
3: 707.145 MHz
18.32dBm
Trace
Level (dBm)
Frequency (MHz)
705.0
710.0

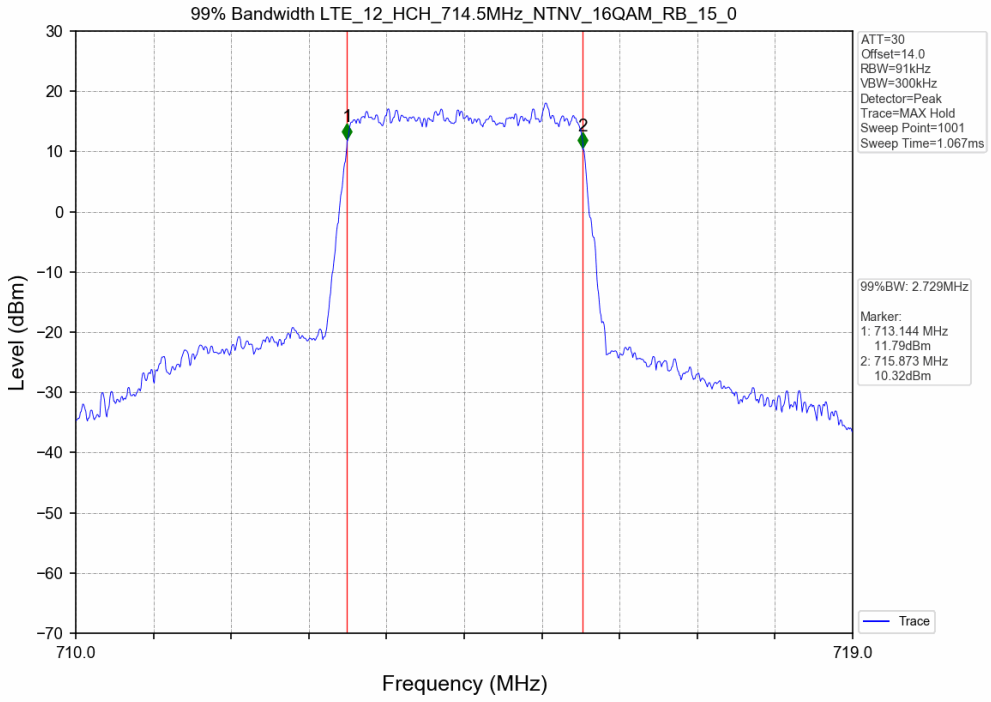

26dB Bandwidth LTE_12_HCH_715.3MHz_NTNV_QPSK_RB_6_0
ATT=30
Offset=14.0
RBW=43kHz
VBW=130kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.6ms
26dB: 1.316MHz
Marker:
1: 714.649 MHz
-7.62dBm
2: 715.965 MHz
-7.62dBm
3: 714.870 MHz
18.38dBm
Trace
Level (dBm)
Frequency (MHz)
712.8
717.8

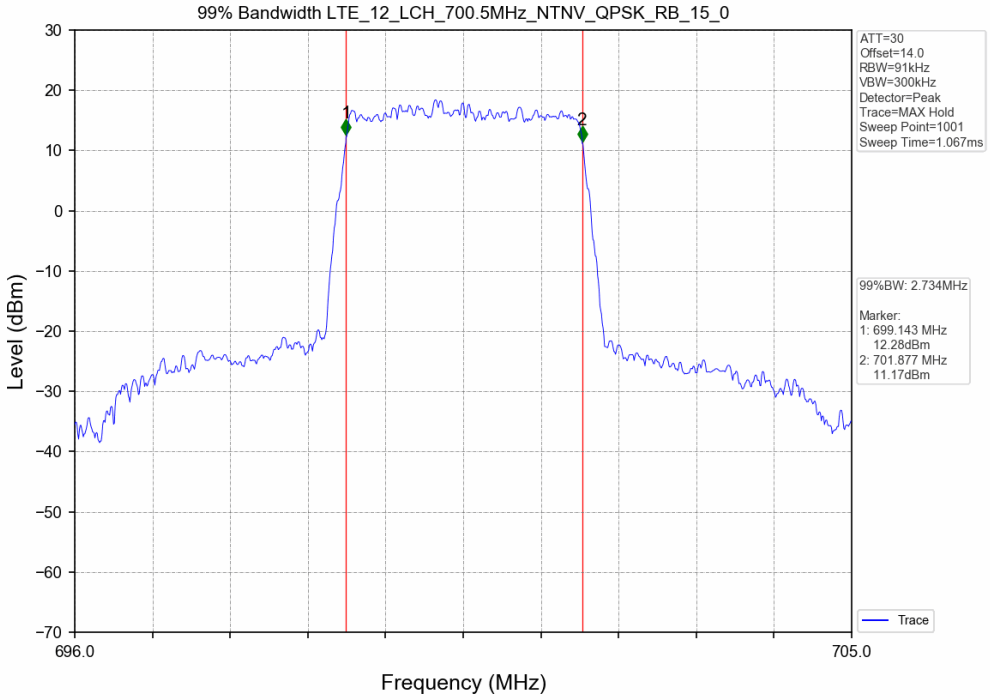
Test Band: 12 _ 3MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	15	0	2.734	2.745	2.746	N/A	PASS
16QAM	15	0	2.738	2.728	2.729	N/A	PASS

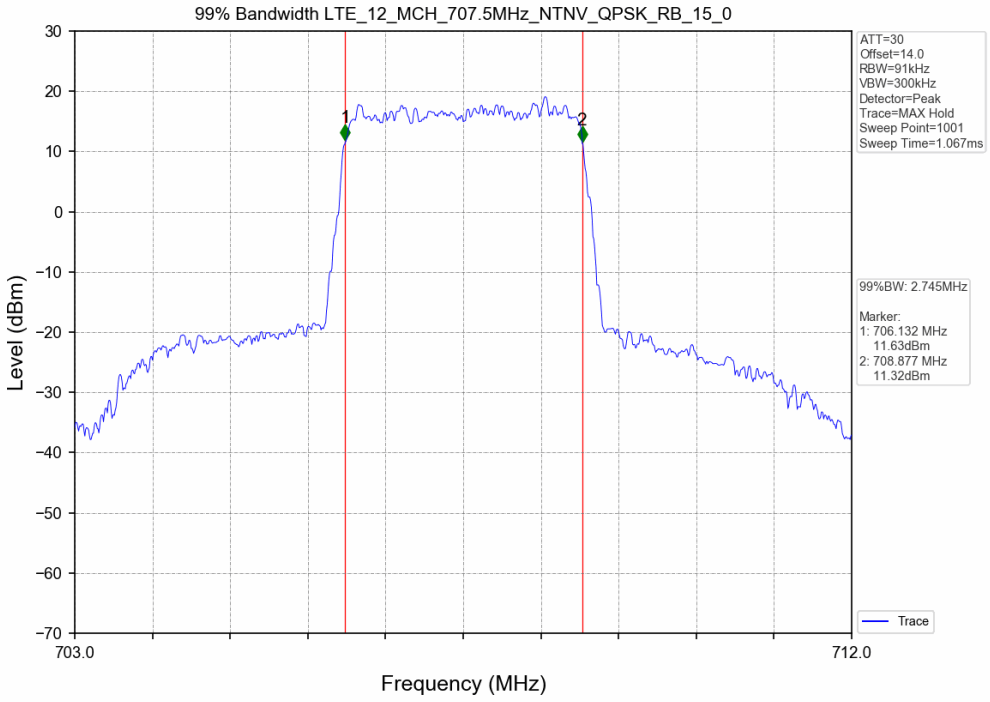
5.2 Test Graph

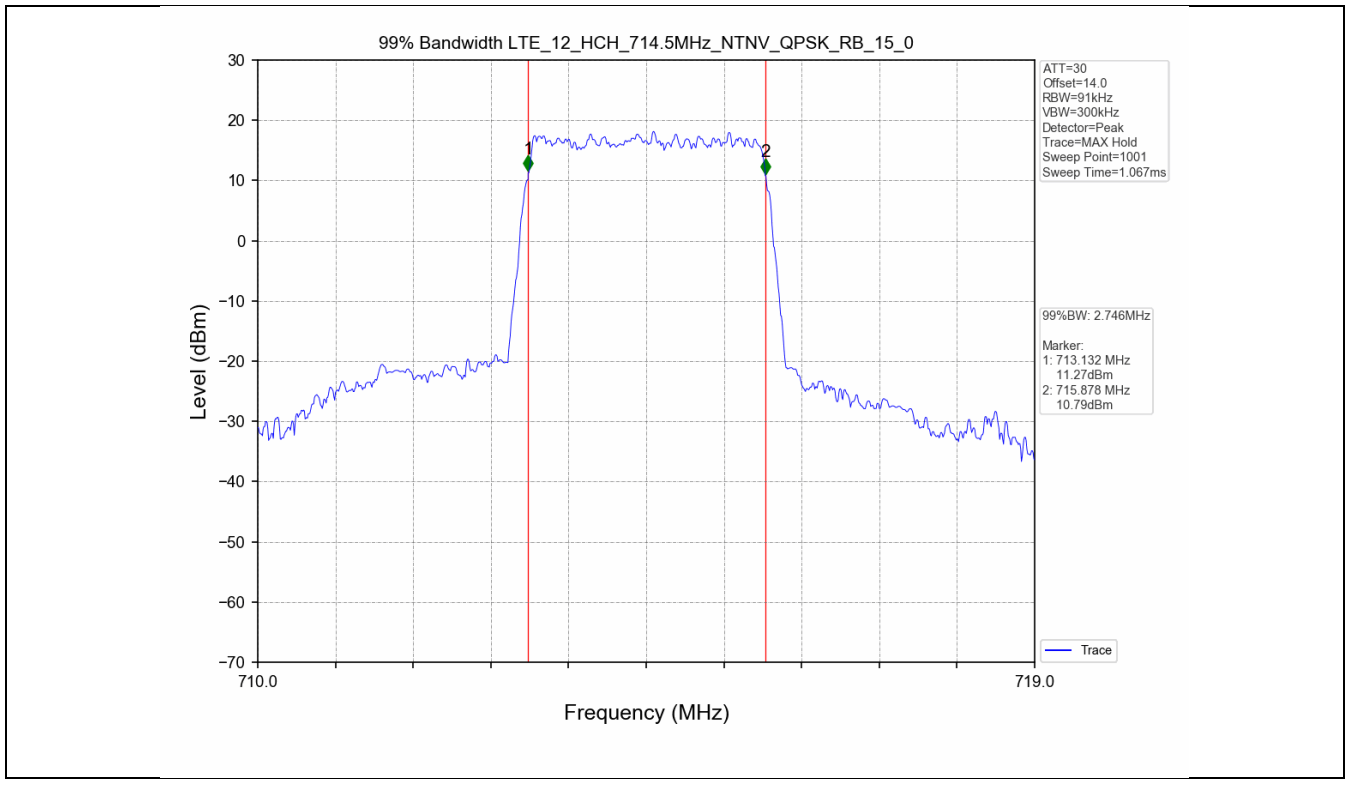



99% Bandwidth LTE_12_MCH_707.5MHz_NTNV_16QAM_RB_15_0
ATT=30
Offset=14.0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
99%BW: 2.728MHz
Marker:
1: 706.147 MHz
11.68dBm
2: 708.875 MHz
9.69dBm
Trace
Level (dBm)
Frequency (MHz)
703.0
712.0


99% Bandwidth LTE_12_HCH_714.5MHz_NTNV_16QAM_RB_15_0
ATT=30
Offset=14.0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
99%BW: 2.729MHz
Marker:
1: 713.144 MHz
11.79dBm
2: 715.873 MHz
10.32dBm
Trace
Level (dBm)
Frequency (MHz)
710.0
719.0

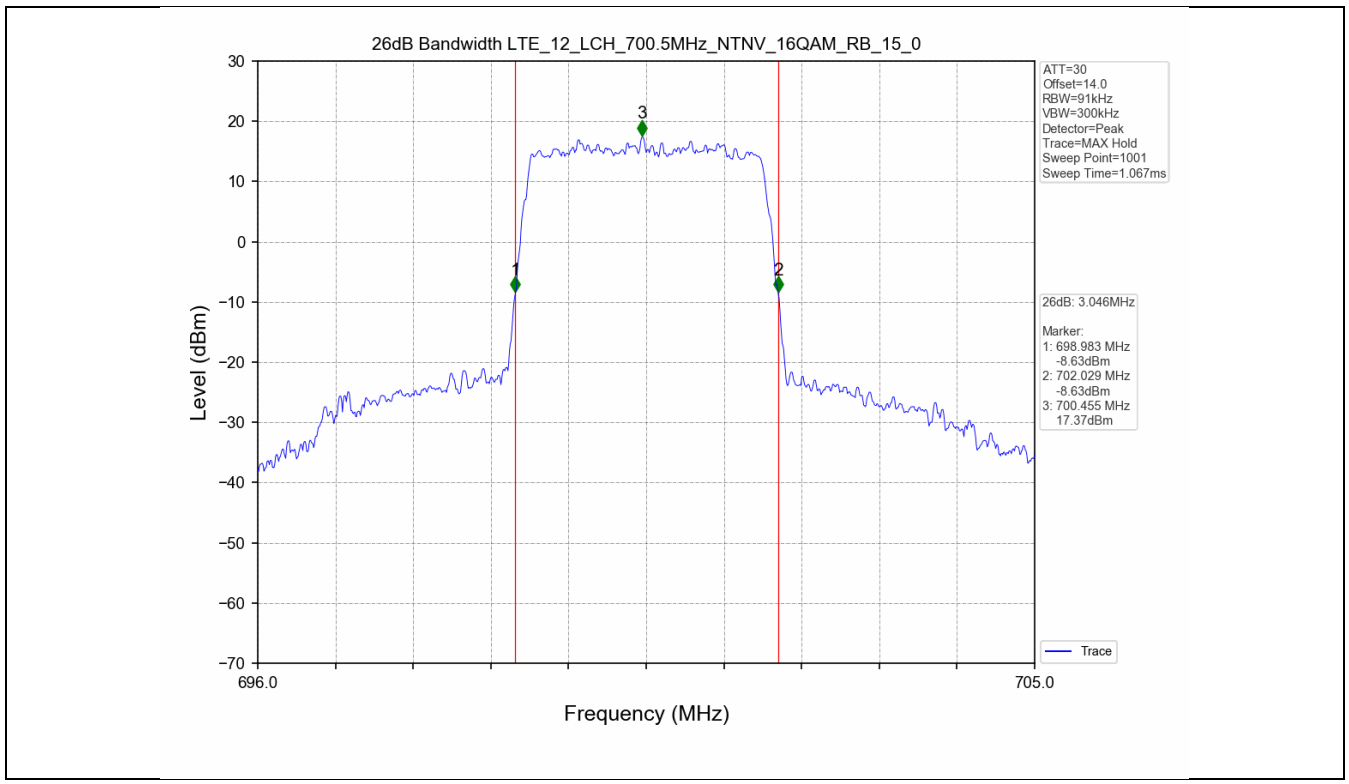

99% Bandwidth LTE_12_LCH_700.5MHz_NTNV_QPSK_RB_15_0
ATT=30
Offset=14.0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
99%BW: 2.734MHz
Marker:
1: 699.143 MHz
12.28dBm
2: 701.877 MHz
11.17dBm
Trace
Level (dBm)
Frequency (MHz)
696.0
705.0

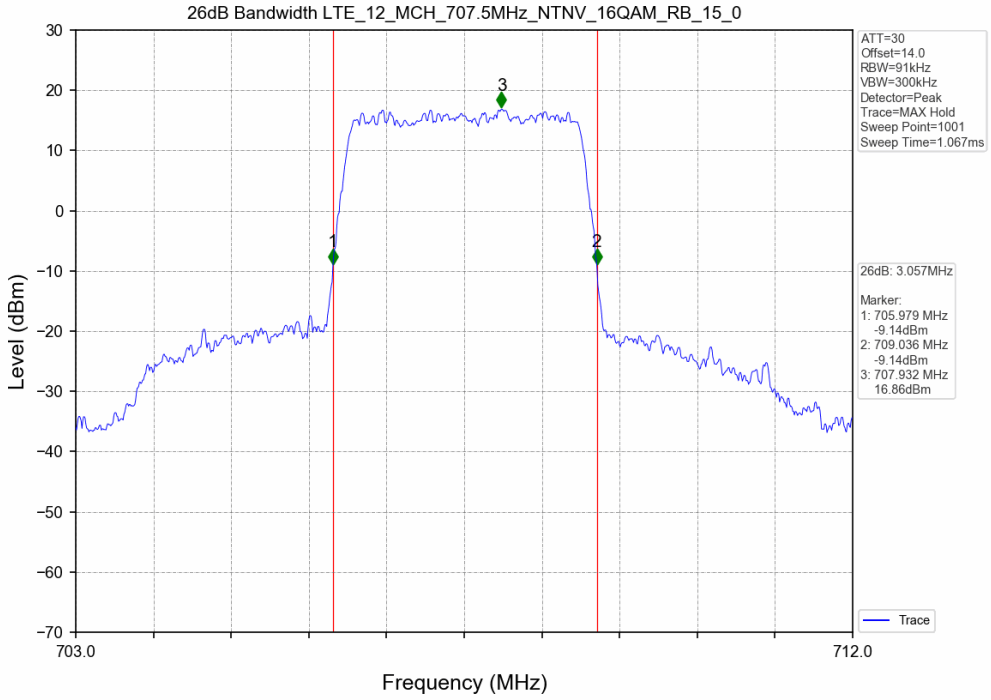

99% Bandwidth LTE_12_MCH_707.5MHz_NTNV_QPSK_RB_15_0
ATT=30
Offset=14.0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
99%BW: 2.745MHz
Marker:
1: 706.132 MHz
11.63dBm
2: 708.877 MHz
11.32dBm
Trace
Level (dBm)
Frequency (MHz)
703.0
712.0

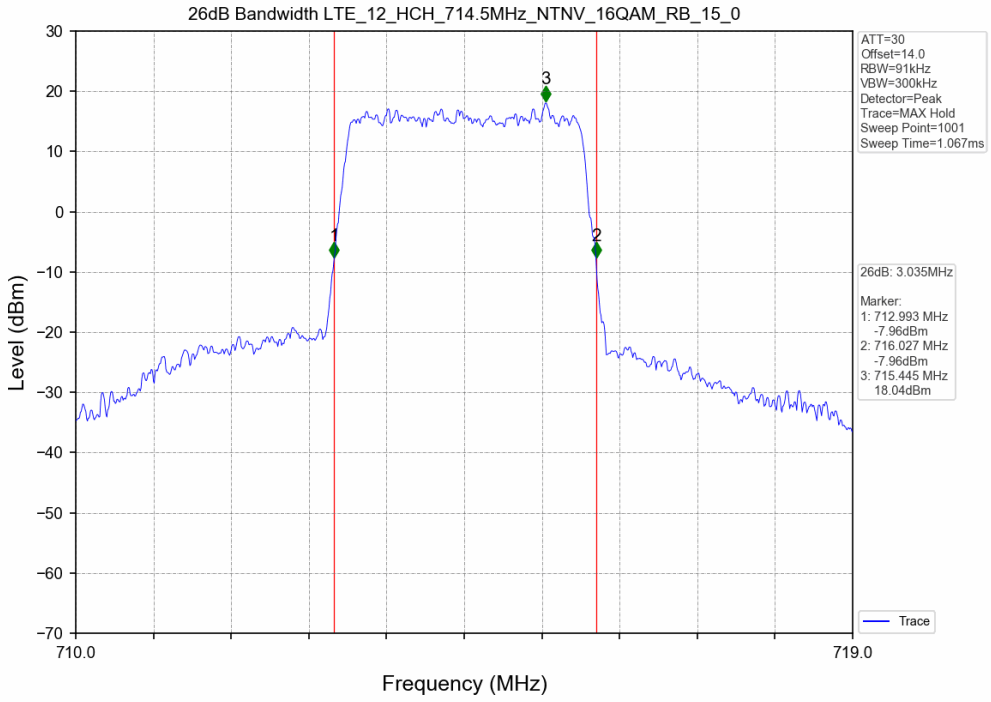

99% Bandwidth LTE_12_HCH_714.5MHz_NTNV_QPSK_RB_15_0
ATT=30
Offset=14.0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
99%BW: 2.746MHz
Marker:
1: 713.132 MHz
11.27dBm
2: 715.878 MHz
10.79dBm
Trace
Level (dBm)
Frequency (MHz)
710.0
719.0

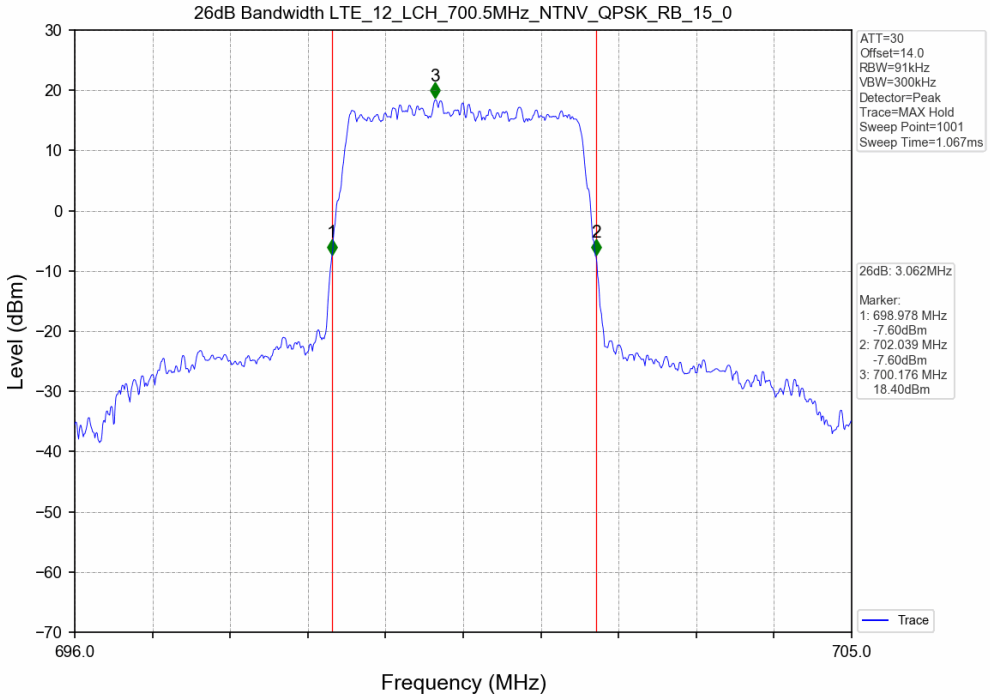
Test Band: 12 _ 3MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	15	0	3.062	3.040	3.051	N/A	PASS
16QAM	15	0	3.046	3.057	3.035	N/A	PASS

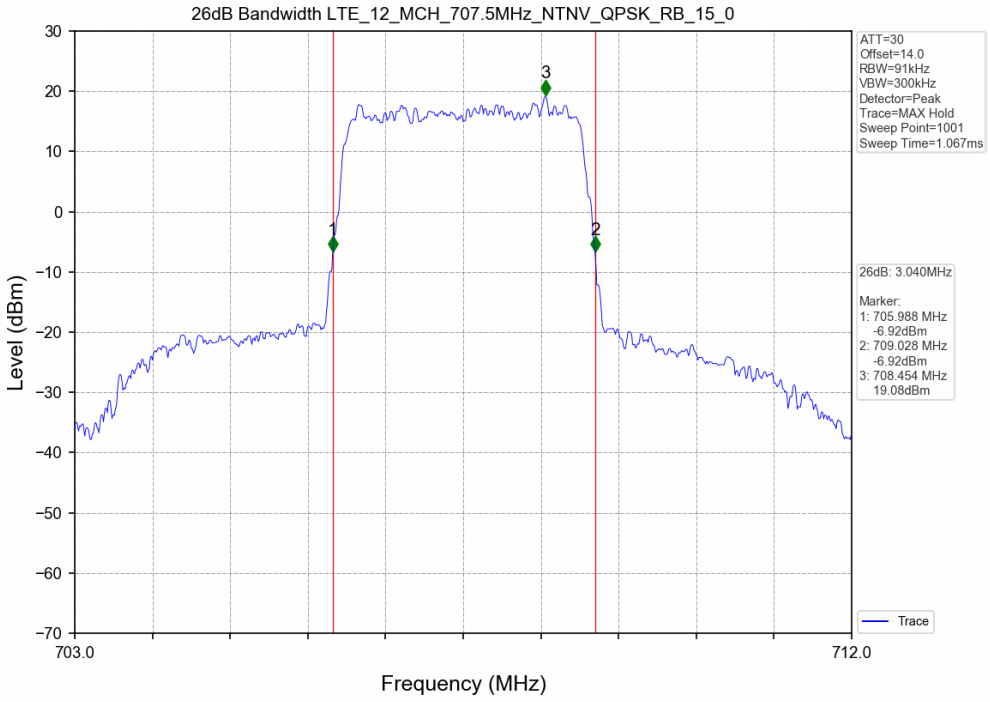
5.2 Test Graph




26dB Bandwidth LTE_12_MCH_707.5MHz_NTNV_16QAM_RB_15_0
ATT=30
Offset=14.0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
26dB: 3.057MHz
Marker:
1: 705.979 MHz
-9.14dBm
2: 709.036 MHz
-9.14dBm
3: 707.932 MHz
16.86dBm
Trace
Level (dBm)
Frequency (MHz)
703.0
712.0


26dB Bandwidth LTE_12_HCH_714.5MHz_NTNV_16QAM_RB_15_0
ATT=30
Offset=14.0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
26dB: 3.035MHz
Marker:
1: 712.993 MHz
-7.96dBm
2: 716.027 MHz
-7.96dBm
3: 715.445 MHz
18.04dBm
Trace
Level (dBm)
Frequency (MHz)
710.0
719.0


26dB Bandwidth LTE_12_LCH_700.5MHz_NTNV_QPSK_RB_15_0
ATT=30
Offset=14.0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
26dB: 3.062MHz
Marker:
1: 698.978 MHz
-7.60dBm
2: 702.039 MHz
-7.60dBm
3: 700.176 MHz
18.40dBm
Trace
Level (dBm)
Frequency (MHz)
696.0
705.0


26dB Bandwidth LTE_12_MCH_707.5MHz_NTNV_QPSK_RB_15_0
ATT=30
Offset=14.0
RBW=91kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.067ms
26dB: 3.040MHz
Marker:
1: 705.988 MHz
-6.92dBm
2: 709.028 MHz
-6.92dBm
3: 708.454 MHz
19.08dBm
Trace
Level (dBm)
Frequency (MHz)
703.0
712.0