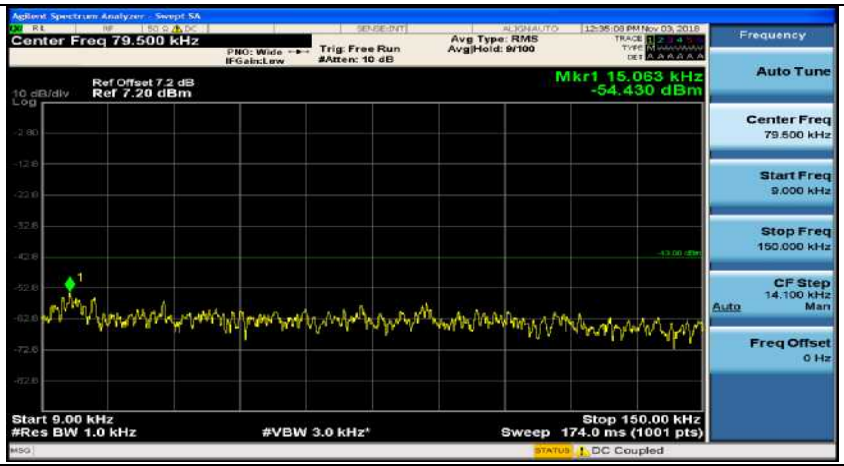
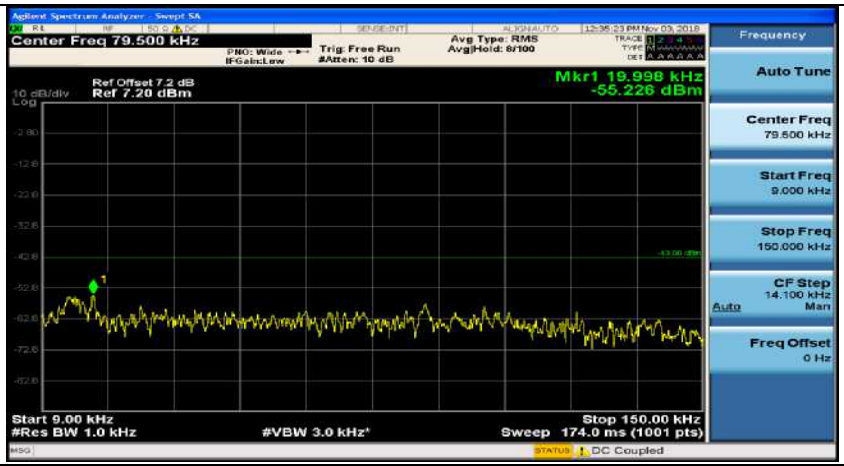


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#74


Agilent Spectrum Analyzer - Swept SA
Center Freq 79.500 kHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: RMS
Avg|Hold: 5/100
12:36:23 PM Nov 03, 2018
Frequency
Auto Tune
Mkr1 19.998 kHz
-55.226 dBm
Ref Offset 7.2 dB
10 dB/div
Log
Ref 7.20 dBm
Center Freq
79.500 kHz
Start Freq
9.000 kHz
Stop Freq
150.000 kHz
CF Step
14.100 kHz
Auto
Man
Freq Offset
0 Hz
Start 9.00 kHz
#Res BW 1.0 kHz
#VBW 3.0 kHz*
Stop 150.00 kHz
Sweep 174.0 ms (1001 pts)
DC Coupled


Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 16 dB
Avg Type: RMS
Avg|Hold: 6/100
12:36:31 PM Nov 03, 2018
Frequency
Auto Tune
Mkr1 1.225 MHz
-60.576 dBm
Ref Offset 7.2 dB
10 dB/div
Log
Ref 7.20 dBm
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz*
Stop 30.00 MHz
Sweep 368.3 ms (1001 pts)
DC Coupled

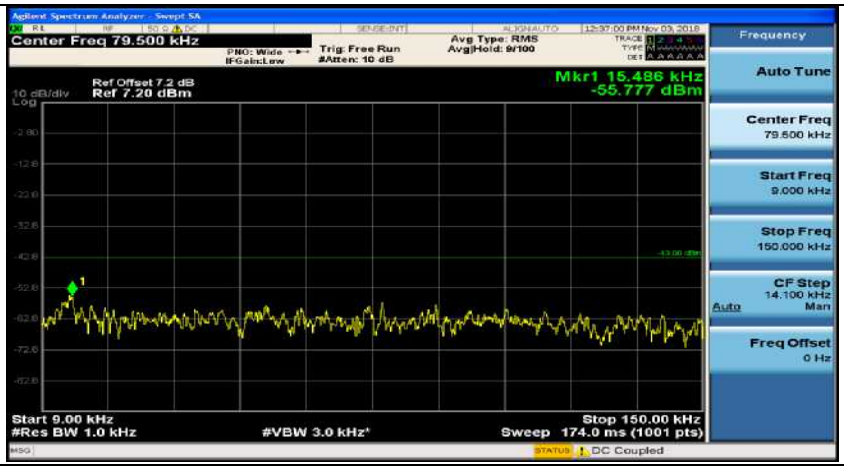

Agilent Spectrum Analyzer - Swept SA
Center Freq 13.015000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold: 5/100
12:36:34 PM Nov 03, 2018
Frequency
Auto Tune
Mkr2 25.507 GHz
-26.964 dBm
Ref Offset 7.2 dB
10 dB/div
Log
Ref 30.00 dBm
Center Freq
13.015000000 GHz
Start Freq
30.000000 MHz
Stop Freq
26.000000000 GHz
CF Step
2.597000000 GHz
Auto
Man
Freq Offset
0 Hz
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.00 GHz
Sweep 64.93 ms (1001 pts)

(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0



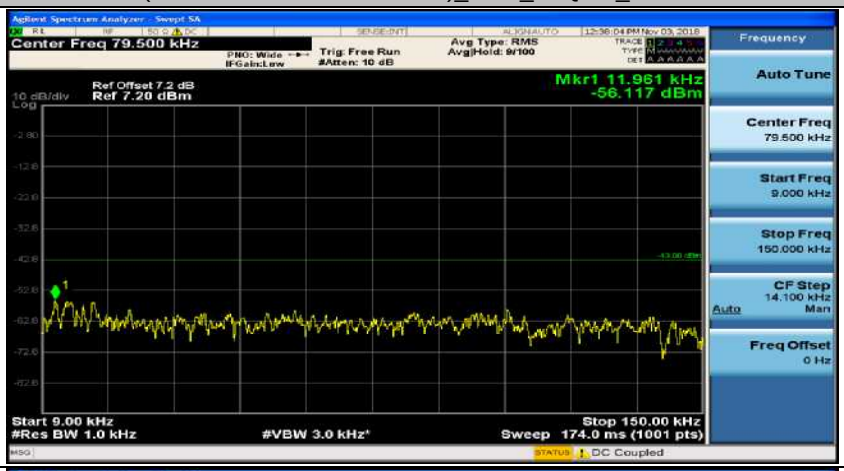
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#74


Agilent Spectrum Analyzer - Swept SA
Center Freq 79.500 kHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: RMS
Avg|Hold: 9/100
12:37:00 PM Nov 03, 2018
Frequency
Mkr1 15.486 kHz
-55.777 dBm
Ref Offset 7.2 dB
10 dB/div
Log
Ref 7.20 dBm
Auto Tune
Center Freq
79.500 kHz
Start Freq
9.000 kHz
Stop Freq
150.000 kHz
CF Step
14.100 kHz
Auto
Man
Freq Offset
0 Hz
Start 9.00 kHz
#Res BW 1.0 kHz
#VBW 3.0 kHz*
Stop 150.00 kHz
Sweep 174.0 ms (1001 pts)
DC Coupled

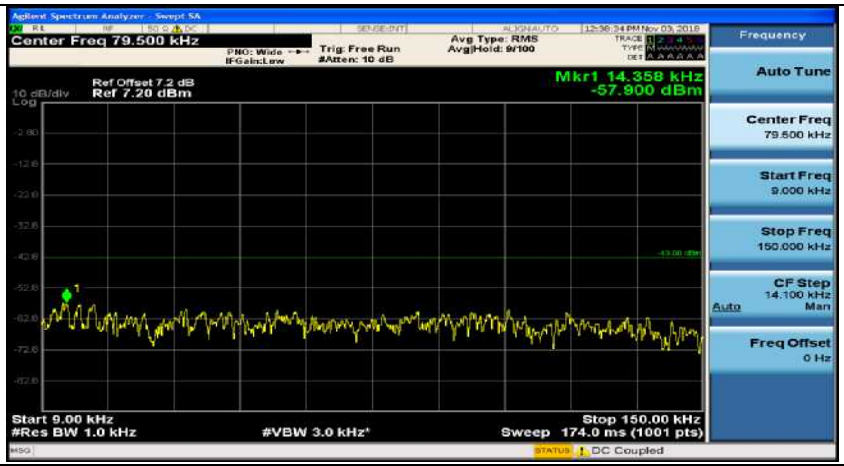

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 16 dB
Avg Type: RMS
Avg|Hold: 6/100
12:37:09 PM Nov 03, 2018
Frequency
Mkr1 1.374 MHz
-61.082 dBm
Ref Offset 7.2 dB
10 dB/div
Log
Ref 7.20 dBm
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz*
Stop 30.00 MHz
Sweep 368.3 ms (1001 pts)
DC Coupled


Agilent Spectrum Analyzer - Swept SA
Center Freq 13.015000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold: 6/100
12:37:12 PM Nov 03, 2018
Frequency
Mkr2 24.961 GHz
-26.672 dBm
Ref Offset 7.2 dB
10 dB/div
Log
Ref 30.00 dBm
Auto Tune
Center Freq
13.015000000 GHz
Start Freq
30.000000 MHz
Stop Freq
26.000000000 GHz
CF Step
2.597000000 GHz
Auto
Man
Freq Offset
0 Hz
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.00 GHz
Sweep 64.93 ms (1001 pts)

(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#74


Agilent Spectrum Analyzer - Swept SA
Center Freq 79.500 kHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: RMS
Avg|Hold: 9/100
12:36:34 PM Nov 03, 2018
Frequency
Mkr1 14.358 kHz
-57.900 dBm
Ref Offset 7.2 dB
10 dB/div
Log
Ref 7.20 dBm
Auto Tune
Center Freq
79.500 kHz
Start Freq
9.000 kHz
Stop Freq
150.000 kHz
CF Step
14.100 kHz
Auto
Man
Freq Offset
0 Hz
Start 9.00 kHz
#Res BW 1.0 kHz
#VBW 3.0 kHz*
Stop 150.00 kHz
Sweep 174.0 ms (1001 pts)
DC Coupled


Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 16 dB
Avg Type: RMS
Avg|Hold: 6/100
12:36:43 PM Nov 03, 2018
Frequency
Mkr1 1.344 MHz
-61.801 dBm
Ref Offset 7.2 dB
10 dB/div
Log
Ref 7.20 dBm
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz*
Stop 30.00 MHz
Sweep 368.3 ms (1001 pts)
DC Coupled


Agilent Spectrum Analyzer - Swept SA
Center Freq 13.015000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold: 5/100
12:36:45 PM Nov 03, 2018
Frequency
Mkr2 25.013 GHz
-27.021 dBm
Ref Offset 7.2 dB
10 dB/div
Log
Ref 30.00 dBm
Auto Tune
Center Freq
13.015000000 GHz
Start Freq
30.000000 MHz
Stop Freq
26.000000000 GHz
CF Step
2.597000000 GHz
Auto
Man
Freq Offset
0 Hz
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.00 GHz
Sweep 64.93 ms (1001 pts)

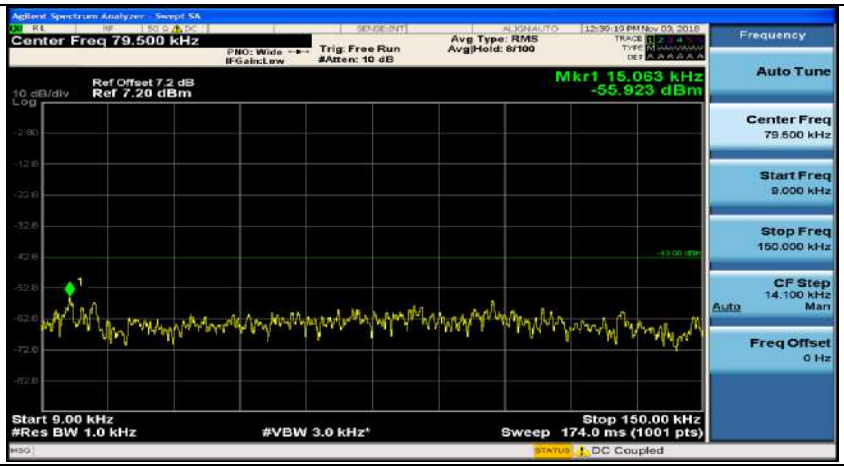
Channel Bandwidth: 20 MHz

(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#49

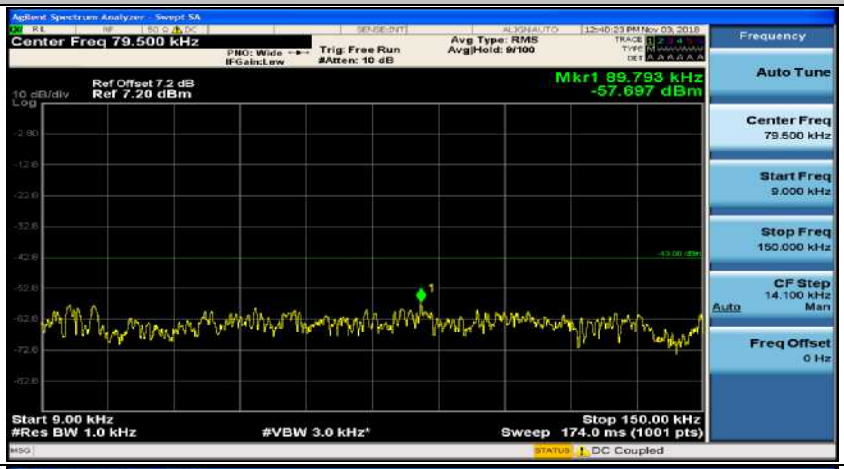
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#99


Agilent Spectrum Analyzer - Swept SA
Center Freq 79.500 kHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: RMS
Avg|Hold: 6/100
12:30:10 PM Nov 03, 2018
Frequency
Mkr1 15.083 kHz
-55.923 dBm
Ref Offset 7.2 dB
10 dB/div
Log
Ref 7.20 dBm
Auto Tune
Center Freq
79.500 kHz
Start Freq
9.000 kHz
Stop Freq
150.000 kHz
CF Step
14.100 kHz
Auto
Man
Freq Offset
0 Hz
Start 9.00 kHz
#Res BW 1.0 kHz
#VBW 3.0 kHz*
Stop 150.00 kHz
Sweep 174.0 ms (1001 pts)
DC Coupled


Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 16 dB
Avg Type: RMS
Avg|Hold: 6/100
12:30:28 PM Nov 03, 2018
Frequency
Mkr1 1.284 MHz
-61.551 dBm
Ref Offset 7.2 dB
10 dB/div
Log
Ref 7.20 dBm
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz*
Stop 30.00 MHz
Sweep 368.3 ms (1001 pts)
DC Coupled

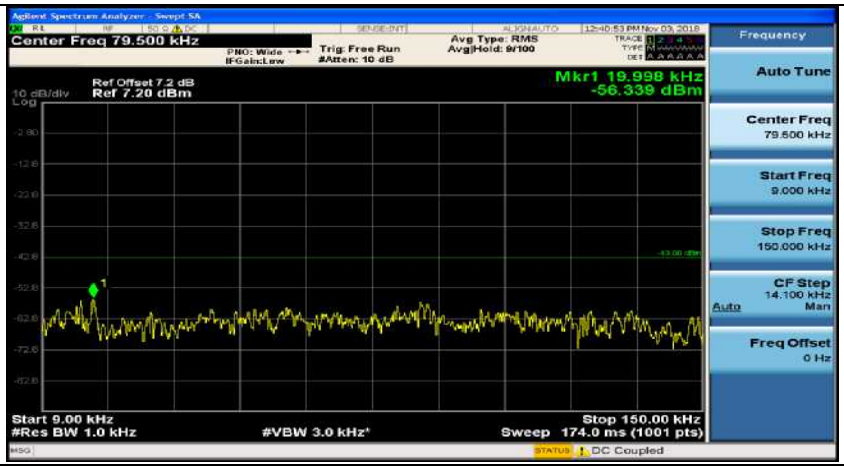

Agilent Spectrum Analyzer - Swept SA
Center Freq 13.015000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold: 6/100
12:30:31 PM Nov 03, 2018
Frequency
Mkr2 25.013 GHz
-26.681 dBm
Ref Offset 7.2 dB
10 dB/div
Log
Ref 30.00 dBm
Auto Tune
Center Freq
13.015000000 GHz
Start Freq
30.000000 MHz
Stop Freq
26.000000000 GHz
CF Step
2.597000000 GHz
Auto
Man
Freq Offset
0 Hz
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.00 GHz
Sweep 64.93 ms (1001 pts)

(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#99


Agilent Spectrum Analyzer - Swept SA
Center Freq 79.500 kHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: RMS
Avg|Hold: 9/100
12:40:53 PM Nov 03, 2018
Mkr1 19.998 kHz
-56.339 dBm
Ref Offset 7.2 dB
10 dB/div
Log
Ref 7.20 dBm
Start 9.00 kHz
#Res BW 1.0 kHz
#VBW 3.0 kHz*
Stop 150.00 kHz
Sweep 174.0 ms (1001 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
79.500 kHz
Start Freq
9.000 kHz
Stop Freq
150.000 kHz
CF Step
14.100 kHz
Auto
Man
Freq Offset
0 Hz

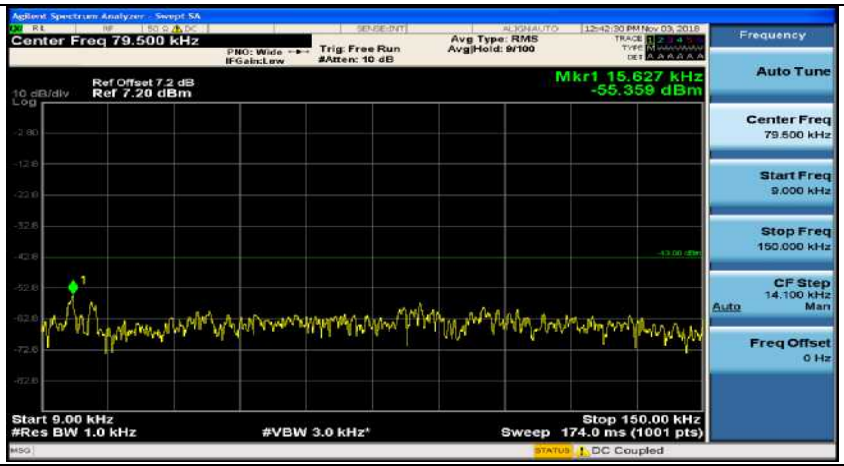

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 16 dB
Avg Type: RMS
Avg|Hold: 6/100
12:41:03 PM Nov 03, 2018
Mkr1 1.225 MHz
-61.914 dBm
Ref Offset 7.2 dB
10 dB/div
Log
Ref 7.20 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz*
Stop 30.00 MHz
Sweep 368.3 ms (1001 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 13.015000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold: 6/100
12:41:08 PM Nov 03, 2018
Mkr2 24.961 GHz
-26.881 dBm
Ref Offset 7.2 dB
10 dB/div
Log
Ref 30.00 dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.00 GHz
Sweep 64.93 ms (1001 pts)
Frequency
Auto Tune
Center Freq
13.015000000 GHz
Start Freq
30.000000 MHz
Stop Freq
26.000000000 GHz
CF Step
2.597000000 GHz
Auto
Man
Freq Offset
0 Hz

(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

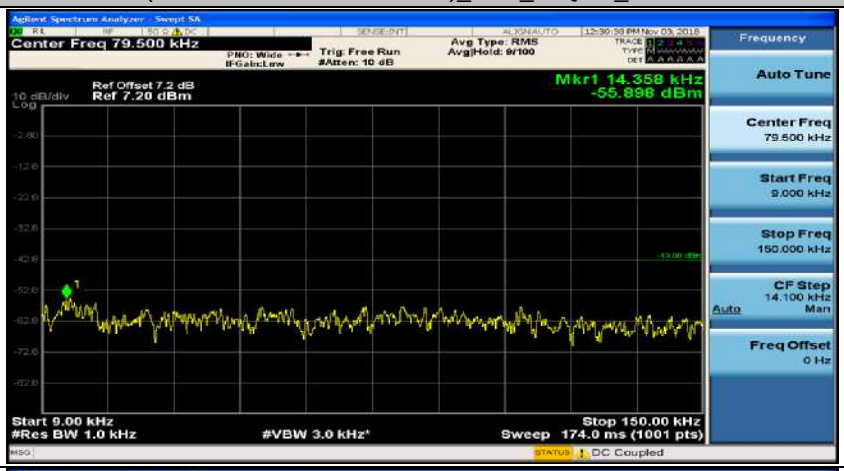
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#99

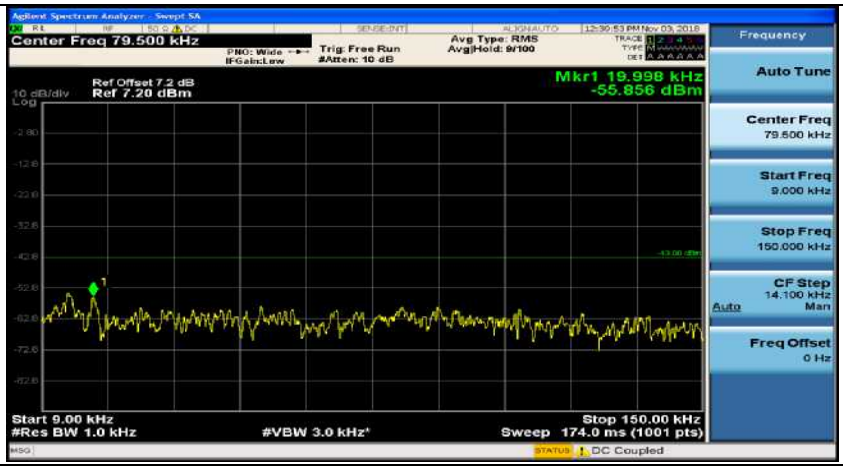

Agilent Spectrum Analyzer - Swept SA
Center Freq 79.500 kHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: RMS
Avg|Hold: 9/100
12:42:30 PM Nov 03, 2018
Mkr1 15.627 kHz
-55.359 dBm
Ref Offset 7.2 dB
10 dB/div
Log
Ref 7.20 dBm
Start 9.00 kHz
#Res BW 1.0 kHz
#VBW 3.0 kHz*
Stop 150.00 kHz
Sweep 174.0 ms (1001 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
79.500 kHz
Start Freq
9.000 kHz
Stop Freq
150.000 kHz
CF Step
14.100 kHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 16 dB
Avg Type: RMS
Avg|Hold: 6/100
12:42:39 PM Nov 03, 2018
Mkr1 1.374 MHz
-60.955 dBm
Ref Offset 7.2 dB
10 dB/div
Log
Ref 7.20 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz*
Stop 30.00 MHz
Sweep 368.3 ms (1001 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 13.015000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold: 6/100
12:42:42 PM Nov 03, 2018
Mkr2 24.987 GHz
-26.979 dBm
Ref Offset 7.2 dB
10 dB/div
Log
Ref 30.00 dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.00 GHz
Sweep 64.93 ms (1001 pts)
Frequency
Auto Tune
Center Freq
13.015000000 GHz
Start Freq
30.000000 MHz
Stop Freq
26.000000000 GHz
CF Step
2.597000000 GHz
Auto
Man
Freq Offset
0 Hz

(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49



(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#99


Agilent Spectrum Analyzer - Swept SA
Center Freq 79.500 kHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: RMS
Avg|Hold: 9/100
12:40:08 PM Nov 03, 2018
Frequency
Mkr1 14.499 kHz
-55.610 dBm
Ref Offset 7.2 dB
10 dB/div
Log
Ref 7.20 dBm
Auto Tune
Center Freq
79.500 kHz
Start Freq
9.000 kHz
Stop Freq
150.000 kHz
CF Step
14.100 kHz
Auto
Man
Freq Offset
0 Hz
Start 9.00 kHz
#Res BW 1.0 kHz
#VBW 3.0 kHz*
Stop 150.00 kHz
Sweep 174.0 ms (1001 pts)
DC Coupled

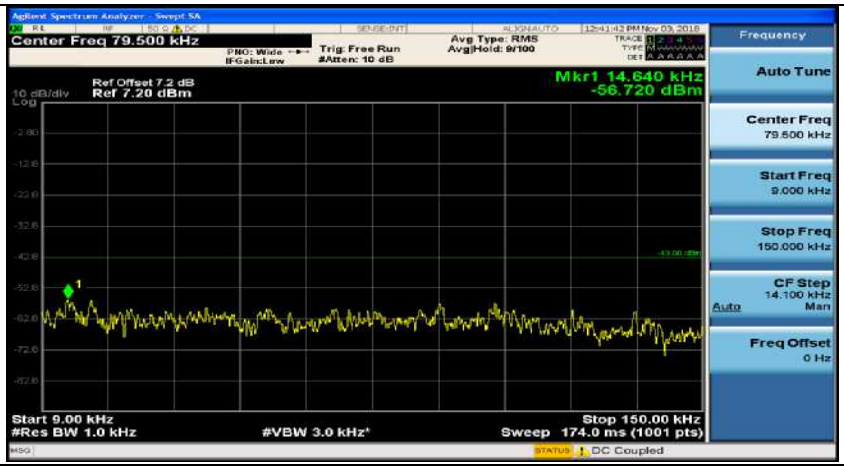

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: RMS
Avg|Hold: 6/100
12:40:13 PM Nov 03, 2018
Frequency
Mkr1 150 kHz
-58.925 dBm
Ref Offset 7.2 dB
10 dB/div
Log
Ref 7.20 dBm
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz*
Stop 30.00 MHz
Sweep 368.3 ms (1001 pts)
DC Coupled


Agilent Spectrum Analyzer - Swept SA
Center Freq 13.015000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold: 6/100
12:40:16 PM Nov 03, 2018
Frequency
Mkr2 25.533 GHz
-27.019 dBm
Ref Offset 7.2 dB
10 dB/div
Log
Ref 30.00 dBm
Auto Tune
Center Freq
13.015000000 GHz
Start Freq
30.000000 MHz
Stop Freq
26.000000000 GHz
CF Step
2.597000000 GHz
Auto
Man
Freq Offset
0 Hz
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.00 GHz
Sweep 64.93 ms (1001 pts)

(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

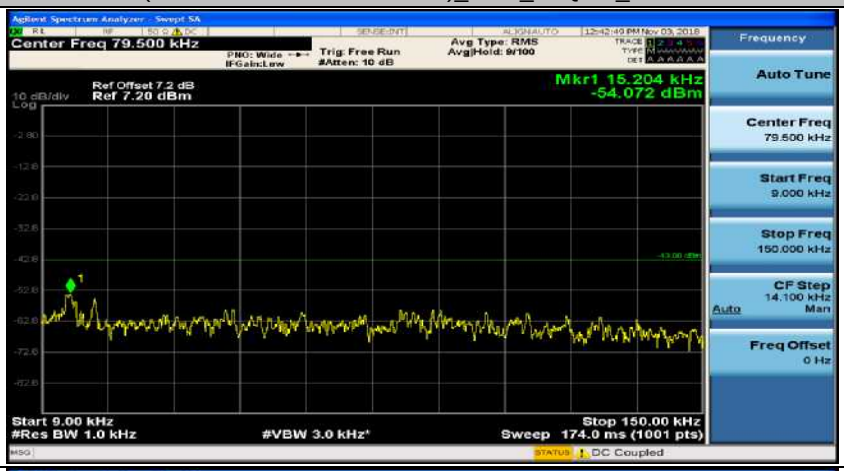
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#99


Agilent Spectrum Analyzer - Swept SA
Center Freq 79.500 kHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: RMS
Avg|Hold: 9/100
12:41:43 PM Nov 03, 2018
Frequency
Mkr1 14.640 kHz
-56.720 dBm
Ref Offset 7.2 dB
10 dB/div
Log
Ref 7.20 dBm
Auto Tune
Center Freq
79.500 kHz
Start Freq
9.000 kHz
Stop Freq
150.000 kHz
CF Step
14.100 kHz
Auto
Man
Freq Offset
0 Hz
Start 9.00 kHz
#Res BW 1.0 kHz
#VBW 3.0 kHz*
Stop 150.00 kHz
Sweep 174.0 ms (1001 pts)
DC Coupled

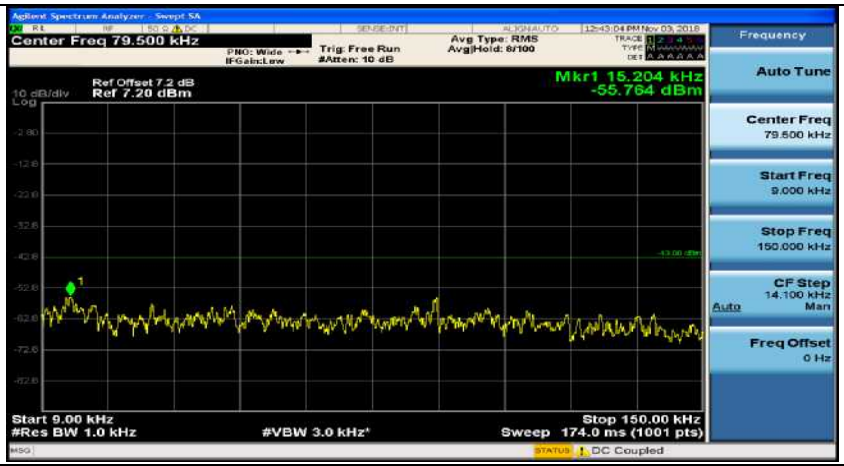

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 16 dB
Avg Type: RMS
Avg|Hold: 6/100
12:41:50 PM Nov 03, 2018
Frequency
Mkr1 150 kHz
-62.383 dBm
Ref Offset 7.2 dB
10 dB/div
Log
Ref 7.20 dBm
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz*
Stop 30.00 MHz
Sweep 368.3 ms (1001 pts)
DC Coupled


Agilent Spectrum Analyzer - Swept SA
Center Freq 13.015000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold: 6/100
12:41:53 PM Nov 03, 2018
Frequency
Mkr2 25.533 GHz
-26.823 dBm
Ref Offset 7.2 dB
10 dB/div
Log
Ref 30.00 dBm
Auto Tune
Center Freq
13.015000000 GHz
Start Freq
30.000000 MHz
Stop Freq
26.000000000 GHz
CF Step
2.597000000 GHz
Auto
Man
Freq Offset
0 Hz
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.00 GHz
Sweep 64.93 ms (1001 pts)

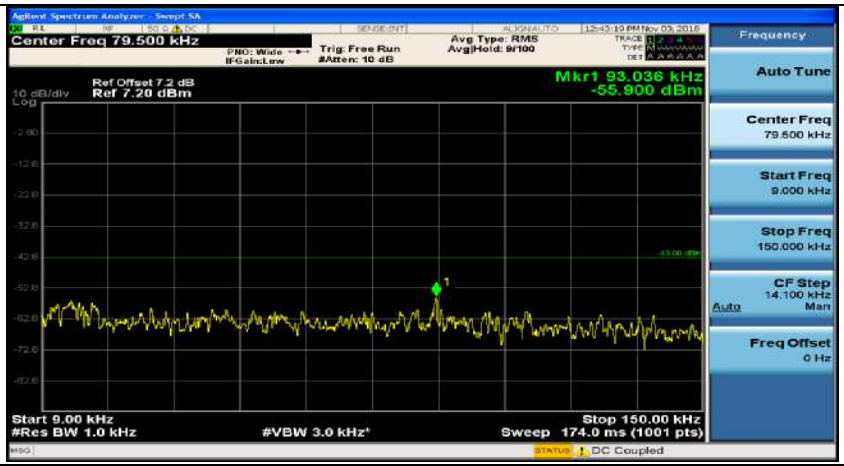
(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#49



(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#99


Agilent Spectrum Analyzer - Swept SA
Center Freq 79.500 kHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: RMS
Avg|Hold: 9/100
12:43:10 PM Nov 03, 2018
Mkr1 93.036 kHz
-55.900 dBm
Ref Offset 7.2 dB
10 dB/div
Log
Ref 7.20 dBm
Start 9.00 kHz
#Res BW 1.0 kHz
#VBW 3.0 kHz*
Stop 150.00 kHz
Sweep 174.0 ms (1001 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
79.500 kHz
Start Freq
9.000 kHz
Stop Freq
150.000 kHz
CF Step
14.100 kHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 16 dB
Avg Type: RMS
Avg|Hold: 6/100
12:43:28 PM Nov 03, 2018
Mkr1 1.195 MHz
-61.928 dBm
Ref Offset 7.2 dB
10 dB/div
Log
Ref 7.20 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz*
Stop 30.00 MHz
Sweep 368.3 ms (1001 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 13.015000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold: 6/100
12:43:31 PM Nov 03, 2018
Mkr2 25.533 GHz
-26.846 dBm
Ref Offset 7.2 dB
10 dB/div
Log
Ref 30.00 dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.00 GHz
Sweep 64.93 ms (1001 pts)
Frequency
Auto Tune
Center Freq
13.015000000 GHz
Start Freq
30.000000 MHz
Stop Freq
26.000000000 GHz
CF Step
2.597000000 GHz
Auto
Man
Freq Offset
0 Hz

Appendix F: Frequency Stability

Test Result

Channel Bandwidth: 1.4 MHz

Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	4.5	25	-0.000301	± 2.5	PASS
		5.0	25	-0.000159	± 2.5	PASS
		5.5	25	-0.000569	± 2.5	PASS
	MCH	4.5	25	-0.001622	± 2.5	PASS
		5.0	25	-0.001197	± 2.5	PASS
		5.5	25	0.001577	± 2.5	PASS
	HCH	4.5	25	-0.000306	± 2.5	PASS
		5.0	25	0.000807	± 2.5	PASS
		5.5	25	0.001437	± 2.5	PASS
16QAM	LCH	4.5	25	0.001049	± 2.5	PASS
		5.0	25	0.002902	± 2.5	PASS
		5.5	25	0.000767	± 2.5	PASS
	MCH	4.5	25	0.000620	± 2.5	PASS
		5.0	25	-0.000801	± 2.5	PASS
		5.5	25	0.001036	± 2.5	PASS
	HCH	4.5	25	0.000506	± 2.5	PASS
		5.0	25	0.001133	± 2.5	PASS
		5.5	25	0.000090	± 2.5	PASS
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	5.0	-30	-0.000301	± 2.5	PASS
		5.0	-20	-0.000159	± 2.5	PASS
		5.0	-10	-0.000569	± 2.5	PASS
		5.0	0	-0.001622	± 2.5	PASS
		5.0	10	0.001456	± 2.5	PASS
		5.0	20	0.002383	± 2.5	PASS
		5.0	30	0.001965	± 2.5	PASS
		5.0	40	0.001438	± 2.5	PASS
		5.0	50	0.001923	± 2.5	PASS
	MCH	5.0	-30	0.001577	± 2.5	PASS
		5.0	-20	-0.000306	± 2.5	PASS
		5.0	-10	0.001437	± 2.5	PASS
		5.0	0	0.001049	± 2.5	PASS
		5.0	10	0.001124	± 2.5	PASS
		5.0	20	0.000561	± 2.5	PASS
		5.0	30	-0.001486	± 2.5	PASS
		5.0	40	0.000182	± 2.5	PASS
		5.0	50	-0.000438	± 2.5	PASS
	HCH	5.0	-30	0.000767	± 2.5	PASS

		5.0	-20	0.000620	± 2.5	PASS
		5.0	-10	0.001036	± 2.5	PASS
		5.0	0	0.000506	± 2.5	PASS
		5.0	10	0.001054	± 2.5	PASS
		5.0	20	0.001835	± 2.5	PASS
		5.0	30	-0.000294	± 2.5	PASS
		5.0	40	0.001460	± 2.5	PASS
		5.0	50	0.000122	± 2.5	PASS
16QAM	LCH	5.0	-30	-0.000828	± 2.5	PASS
		5.0	-20	-0.000452	± 2.5	PASS
		5.0	-10	0.000343	± 2.5	PASS
		5.0	0	0.000569	± 2.5	PASS
		5.0	10	-0.000537	± 2.5	PASS
		5.0	20	0.002458	± 2.5	PASS
		5.0	30	0.002358	± 2.5	PASS
		5.0	40	0.002015	± 2.5	PASS
		5.0	50	0.001070	± 2.5	PASS
	MCH	5.0	-30	0.000974	± 2.5	PASS
		5.0	-20	-0.000132	± 2.5	PASS
		5.0	-10	0.000694	± 2.5	PASS
		5.0	0	-0.000215	± 2.5	PASS
		5.0	10	0.000145	± 2.5	PASS
		5.0	20	-0.000842	± 2.5	PASS
		5.0	30	0.000008	± 2.5	PASS
		5.0	40	0.000702	± 2.5	PASS
		5.0	50	0.000594	± 2.5	PASS
	HCH	5.0	-30	0.000987	± 2.5	PASS
		5.0	-20	0.000799	± 2.5	PASS
		5.0	-10	0.001019	± 2.5	PASS
		5.0	0	0.001223	± 2.5	PASS
		5.0	10	0.000756	± 2.5	PASS
		5.0	20	0.000652	± 2.5	PASS
		5.0	30	0.000864	± 2.5	PASS
		5.0	40	0.000130	± 2.5	PASS
		5.0	50	0.000840	± 2.5	PASS