Appendix A: Test Result of Conducted Test

20dB Occupied Bandwidth

Test Result

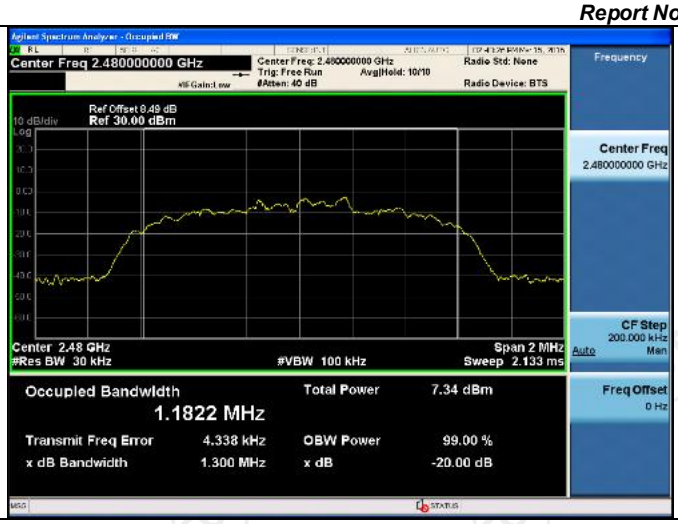
Mode	Channel.	20dB Bandwidth [MHz]	99% OBW [MHz]	Verdict
GFSK	LCH	1.027	0.88780	PASS
GFSK	MCH	1.024	0.89469	PASS
GFSK	HCH	0.9680	0.90352	PASS
π/4DQPSK	LCH	1.316	1.1876	PASS
π/4DQPSK	MCH	1.291	1.1884	PASS
π/4DQPSK	HCH	1.282	1.1748	PASS
8DPSK	LCH	1.300	1.1909	PASS
8DPSK	MCH	1.311	1.2076	PASS
8DPSK	HCH	1.300	1.1822	PASS

Test Graph

Graphs		
GFSK/LCH		
GFSK/MCH		

GFSK/HCH			
π/4DQPSK/LCH			
π/4DQPSK/MCH			

π/4DQPSK/HCH		
8DPSK/LCH		
8DPSK/MCH		

8DPSK/HCH		

Agilent Spectrum Analyzer - Occupied BW
Center Freq 2.480000000 GHz
Center Freq: 2.480000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 40 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 8.49 dB
10 dB/div
Ref 30.00 dBm
Center Freq
2.480000000 GHz
CF Step
200.000 kHz
Auto
Man
Center 2.48 GHz
#Res BW 30 kHz
#VBW 100 kHz
Span 2 MHz
Sweep 2.133 ms
Freq Offset
0 Hz
Occupied Bandwidth
1.1822 MHz
Total Power
7.34 dBm
Transmit Freq Error
4.338 kHz
OBW Power
99.00 %
x dB Bandwidth
1.300 MHz
x dB
-20.00 dB
MSG
STATUS

Carrier Frequency Separation

Result Table

Mode	Channel.	Carrier Frequency Separation [MHz]	Verdict
GFSK	LCH	1.032	PASS
GFSK	MCH	1.190	PASS
GFSK	HCH	1.118	PASS
π/4DQPSK	LCH	1.156	PASS
π/4DQPSK	MCH	0.986	PASS
π/4DQPSK	HCH	0.912	PASS
8DPSK	LCH	0.976	PASS
8DPSK	MCH	0.984	PASS
8DPSK	HCH	1.314	PASS

Test Graph

Graphs		
GFSK/LCH		
GFSK/MCH		

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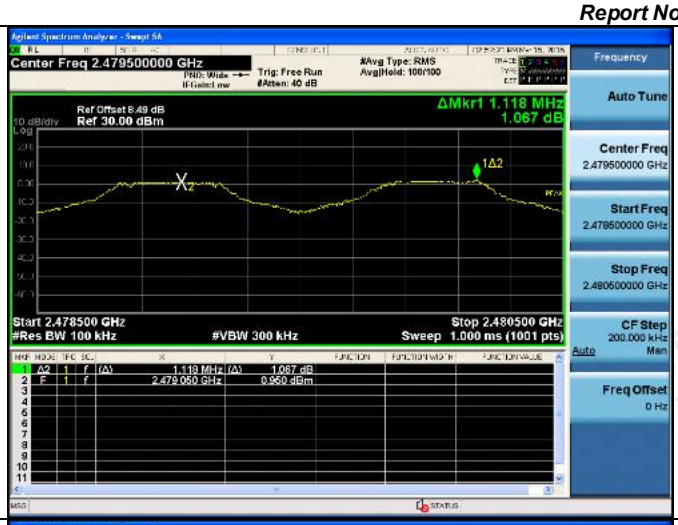
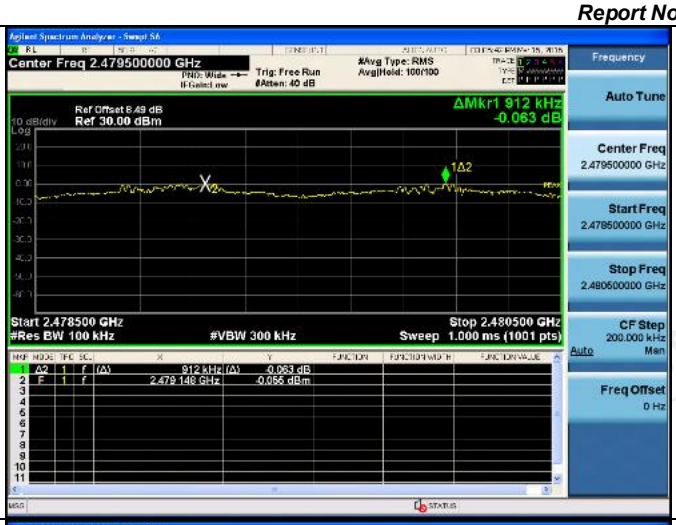
GFSK/HCH		
π/4DQPSK/LCH		
π/4DQPSK/MCH		

π/4DQPSK/HCH		
8DPSK/LCH		
8DPSK/MCH		

8DPSK/HCH		

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.479500000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 40 dB
#Avg Type: RMS
Avg|Hold: 100/100
Frequency
Auto Tune
Ref Offset 8.49 dB
10 dB/div Ref 30.00 dBm
ΔMkr1 1.314 MHz
-0.115 dB
1Δ2
Center Freq
2.479500000 GHz
Start Freq
2.478500000 GHz
Stop Freq
2.480500000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
Start 2.478500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 2.480500 GHz
Sweep 1.000 ms (1001 pts)
1 Δ2 1 f (Δ) 1.314 MHz (Δ) -0.115 dB
2 F 1 f 2.478 952 GHz -3.626 dBm

Dwell Time

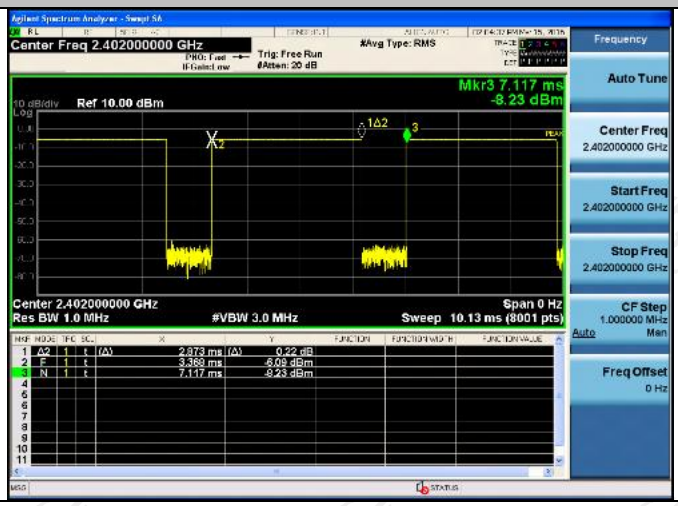
Result Table

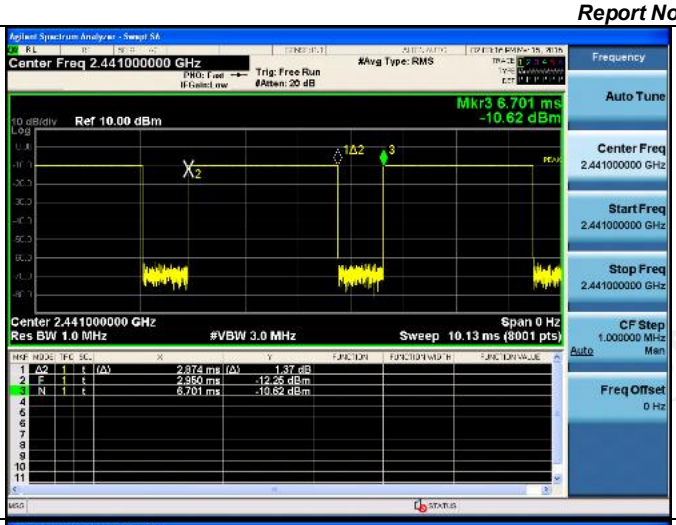
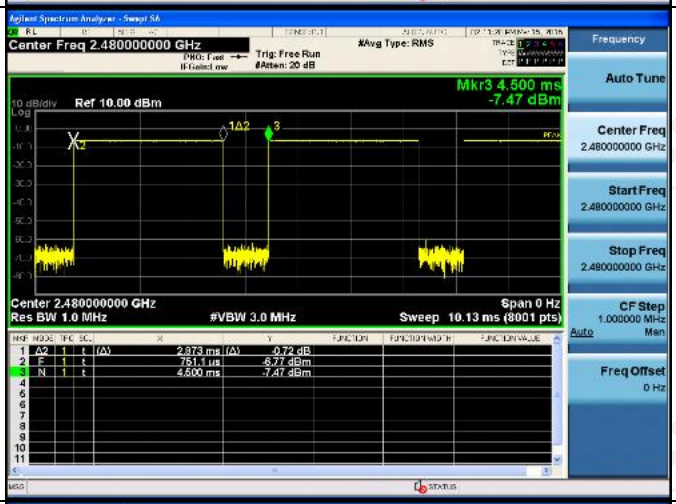
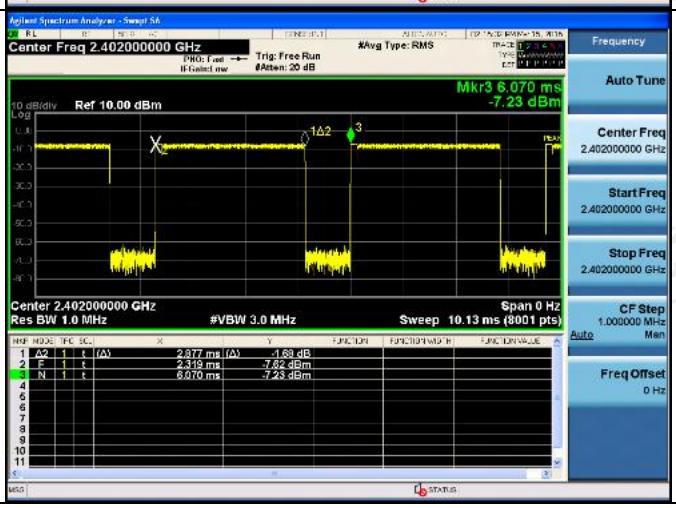
The Dwell Time=Burst Width*Total Hops. The detailed calculations are showed as follows:

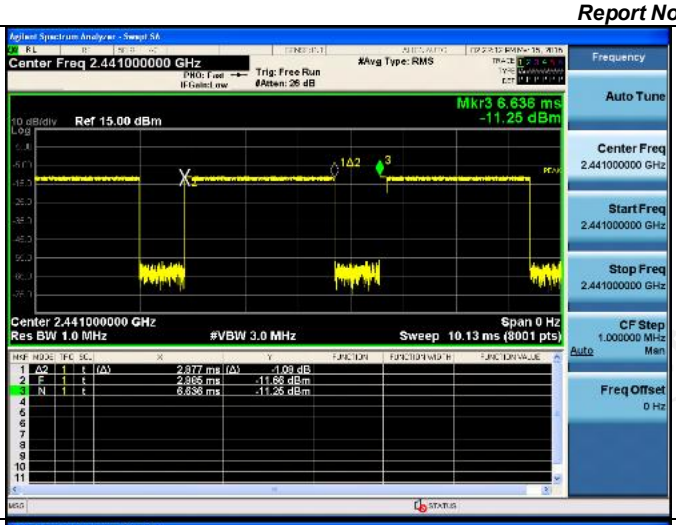
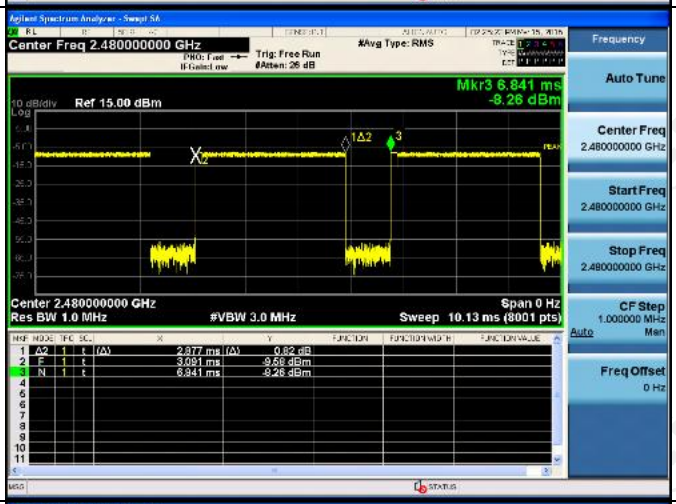
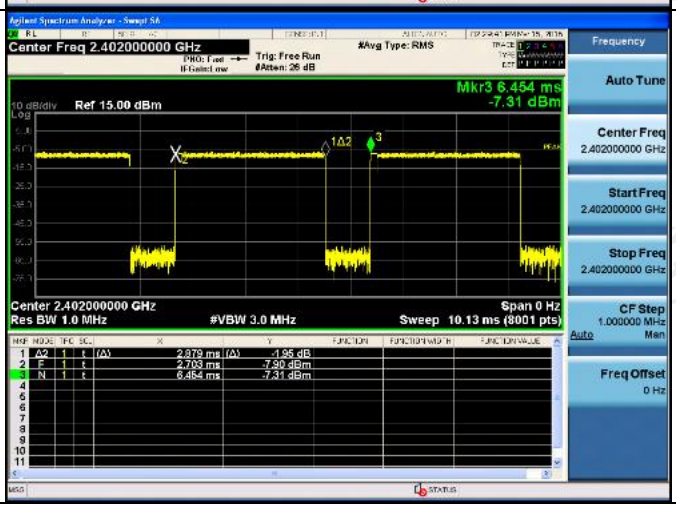
- The duration for dwell time calculation:0.4[s]*hopping number=0.4[s]*79[ch]=31.6[s*ch];
- The burst width [ms/hop/ch], which is directly measured, refers to the duration on one channel hop.
- The hops per second for all channels: The selected EUT Conf uses a slot type of 5-Tx&1-Rx and a hopping rate of 1600 [ch*hop/s] for all channels. So the final hopping rate for all channels is 1600/6=266.67 [ch*hop/s]
- The hops per second on one channel: 266.67 [ch*hops/s]/79 [ch]=3.38 [hop/s];
- The total hops for all channels within the dwell time calculation duration:3.38 [hop/s]*31.6[s*ch]=106.67 [hop*ch];
- The dwell time for all channels hopping: 106.67 [hop*ch]*Burst Width [ms/hop/ch].

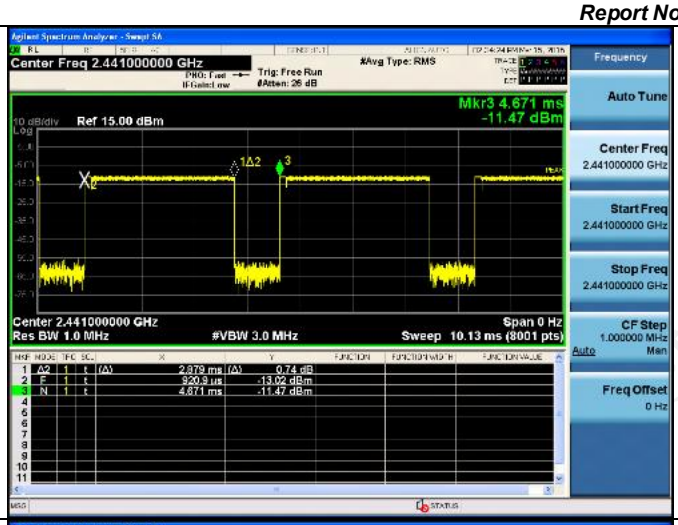
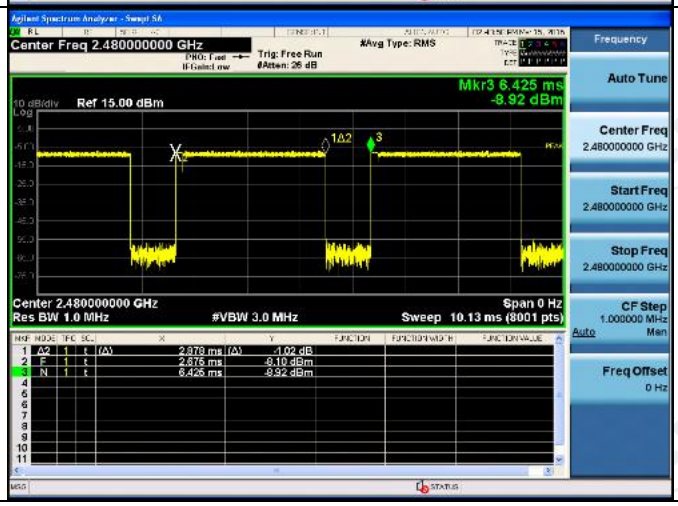
Mode	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Duty Cycle [%]	Verdict
GFSK	LCH	2.873	106.7	0.307	76.62	PASS
GFSK	MCH	2.874	106.7	0.307	76.63	PASS
GFSK	HCH	2.873	106.7	0.307	76.62	PASS
π/4DQPSK	LCH	2.877	106.7	0.307	76.70	PASS
π/4DQPSK	MCH	2.877	106.7	0.307	76.70	PASS
π/4DQPSK	HCH	2.877	106.7	0.307	76.70	PASS
8DPSK	LCH	2.879	106.7	0.307	76.76	PASS
8DPSK	MCH	2.879	106.7	0.307	76.76	PASS
8DPSK	HCH	2.878	106.7	0.307	76.76	PASS

Test Graph

Graphs	
GFSK/LCH	

GFSK/MCH		
GFSK/HCH		
π/4DQPSK/LCH		

π/4DQPSK/MCH		
π/4DQPSK/HCH		
8DPSK/LCH		

8DPSK/MCH			
8DPSK/HCH			

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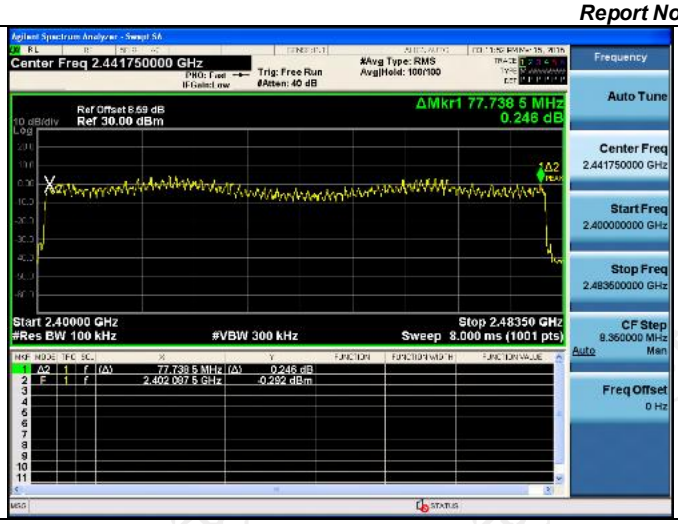
Hopping Channel Number

Result Table

Mode	Channel.	Number of Hopping Channel	Verdict
GFSK	Hop	79	PASS
π/4DQPSK	Hop	79	PASS
8DPSK	Hop	79	PASS

Test Graph

Graphs		
GFSK/Hop		
π/4DQPSK/Hop		

8DPSK/Hop		

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.441750000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
#Avg Type: RMS
Avg|Hold: 100/100
Ref Offset 8.59 dB
10 dB/div
Ref 30.00 dBm
ΔMkr1 77.738 5 MHz
0.246 dB
Start 2.40000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 2.48350 GHz
Sweep 8.000 ms (1001 pts)
1 Δ2 1 f (Δ) 77.738 5 MHz (Δ) 0.246 dB
2 F 1 f 2.402 097 5 GHz -0.292 dBm
Frequency
Auto Tune
Center Freq
2.441750000 GHz
Start Freq
2.400000000 GHz
Stop Freq
2.483600000 GHz
CF Step
8.360000 MHz
Auto
Man
Freq Offset
0 Hz

Conducted Peak Output Power

Result Table

Mode	Channel.	Maximum Peak Output Power [dBm]	Verdict
GFSK	LCH	3.368	PASS
GFSK	MCH	-1.090	PASS
GFSK	HCH	2.413	PASS
π/4DQPSK	LCH	2.408	PASS
π/4DQPSK	MCH	-1.678	PASS
π/4DQPSK	HCH	1.544	PASS
8DPSK	LCH	2.617	PASS
8DPSK	MCH	-1.568	PASS
8DPSK	HCH	1.837	PASS

Test Graph

Graphs		
GFSK/LCH		
GFSK/MCH		

GFSK/HCH			
π/4DQPSK/LCH			
π/4DQPSK/MCH			

π/4DQPSK/HCH		
8DPSK/LCH		
8DPSK/MCH		

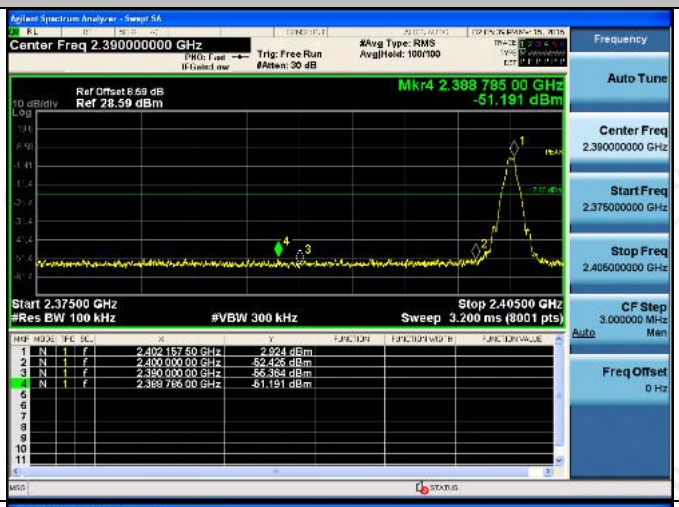
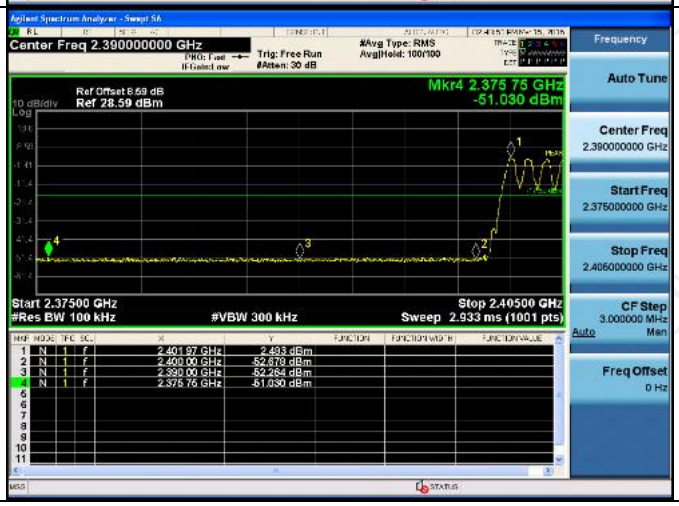
8DPSK/HCH		 Agilent Spectrum Analyzer - Swept SA Center Freq 2.480000000 GHz PNO: Fast IFGain:Low Trig: Free Run #Atten: 40 dB #Avg Type: RMS Avg|Hold: 100/100 Ref Offset 8.49 dB 10 dB/div Ref 30.00 dBm Log Mkr1 2.479 750 GHz 1.837 dBm Center 2.480000 GHz #Res BW 3.0 MHz #VBW 8.0 MHz Span 5.000 MHz Sweep 1.000 ms (1001 pts) Frequency Auto Tune Center Freq 2.480000000 GHz Start Freq 2.477500000 GHz Stop Freq 2.482500000 GHz CF Step 500.000 kHz Auto Man Freq Offset 0 Hz	

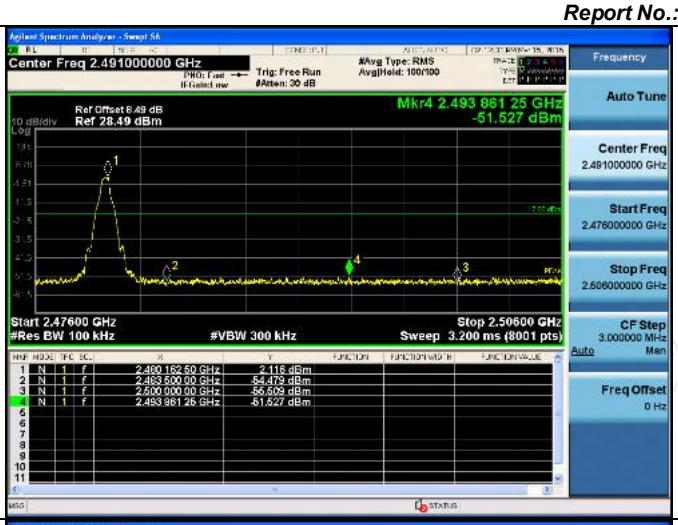
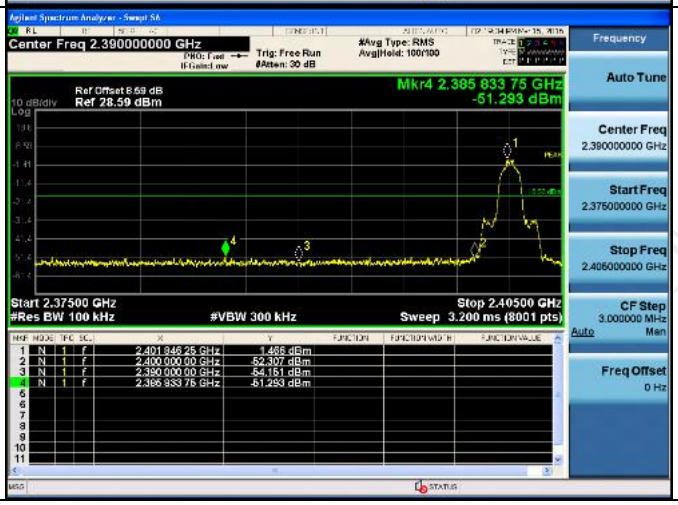
Band-edge for RF Conducted Emissions

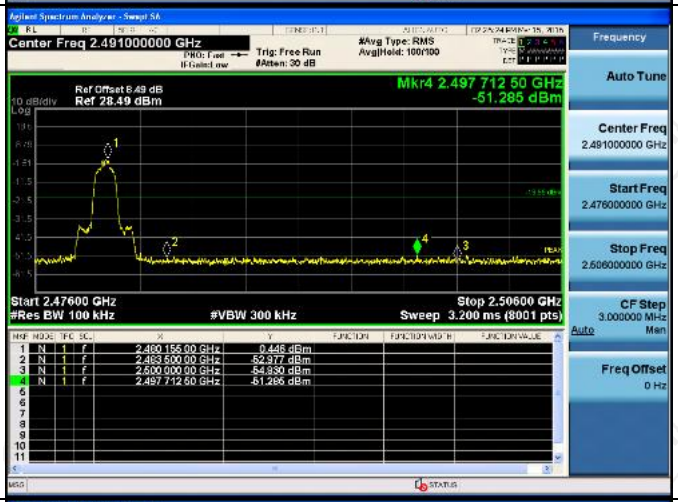
Result Table

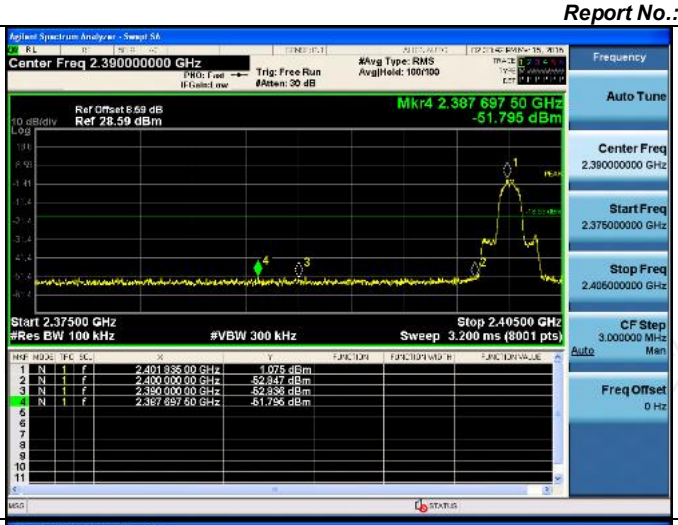
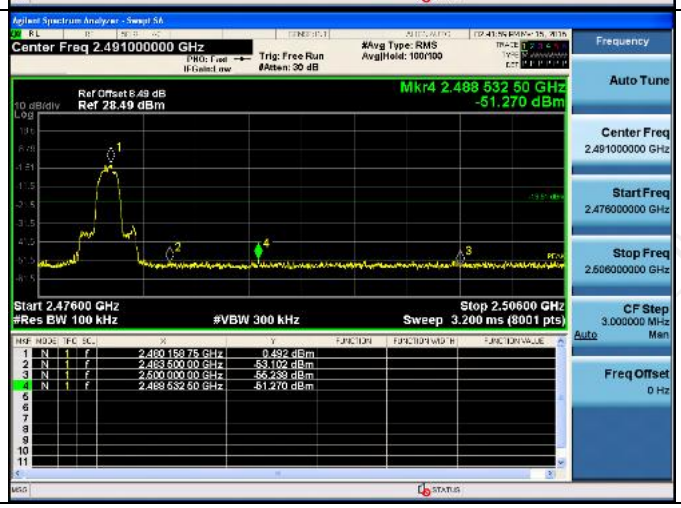
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
GFSK	LCH	2402	2.924	Off	-51.191	-17.08	PASS
			2.483	On	-51.030	-17.52	PASS
GFSK	HCH	2480	2.116	Off	-51.527	-17.88	PASS
			1.261	On	-50.518	-18.74	PASS
π/4DQPSK	LCH	2402	1.466	Off	-51.293	-18.53	PASS
			0.845	On	-50.680	-19.16	PASS
π/4DQPSK	HCH	2480	0.446	Off	-51.285	-19.55	PASS
			-0.570	On	-49.935	-20.57	PASS
8DPSK	LCH	2402	1.075	Off	-51.795	-18.93	PASS
			0.892	On	-50.646	-19.11	PASS
8DPSK	HCH	2480	0.492	Off	-51.270	-19.51	PASS
			0.087	On	-50.467	-19.91	PASS

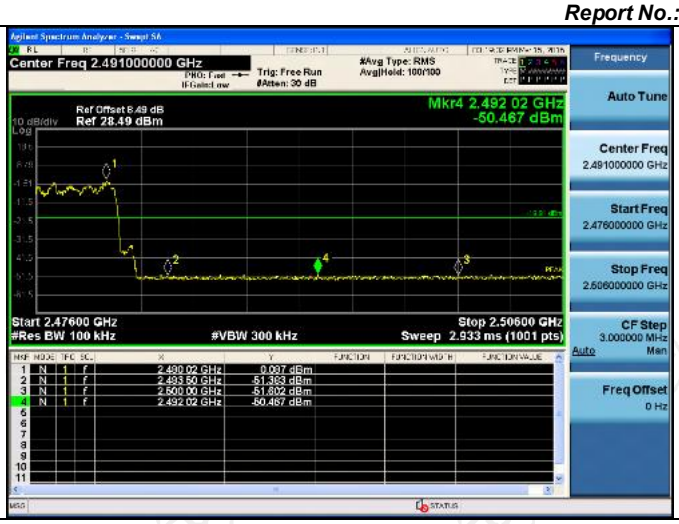
Test Graph

Graphs	
GFSK/LCH/No Hop	
GFSK/LCH/Hop	

GFSK/HCH/No Hop		
GFSK/HCH/Hop		
π/4DQPSK/LCH/No Hop		

π/4DQPSK/LCH/Hop		
π/4DQPSK/HCH/No Hop		
π/4DQPSK/HCH/Hop		

8DPSK/LCH/No Hop		
8DPSK/LCH/Hop		
8DPSK/HCH/No Hop		

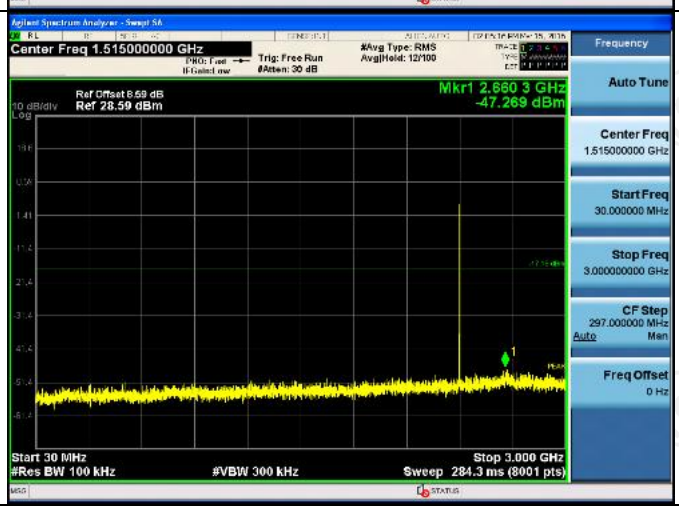
8DPSK/HCH/Hop		

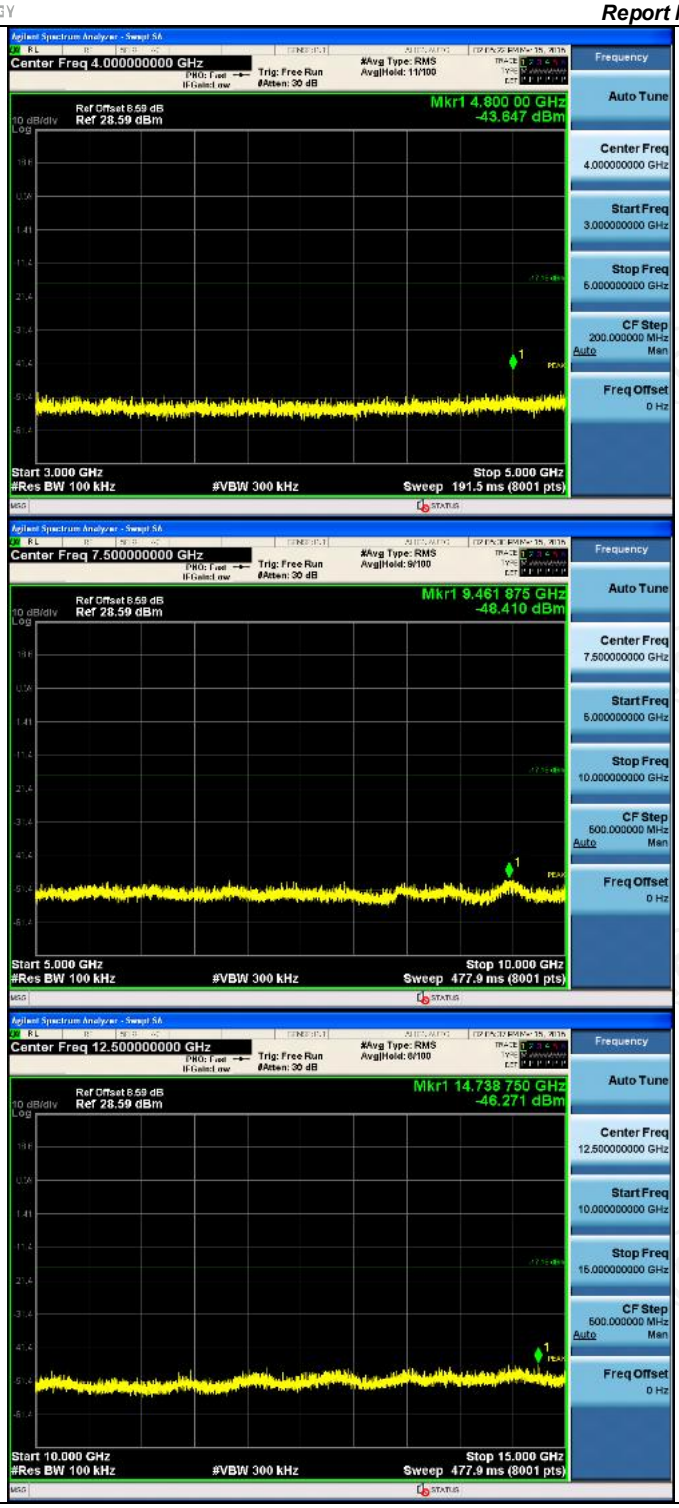
RF Conducted Spurious Emissions

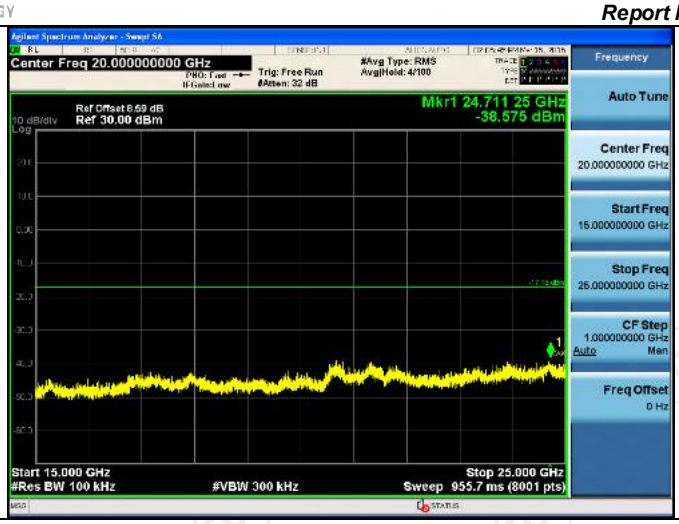
Result Table

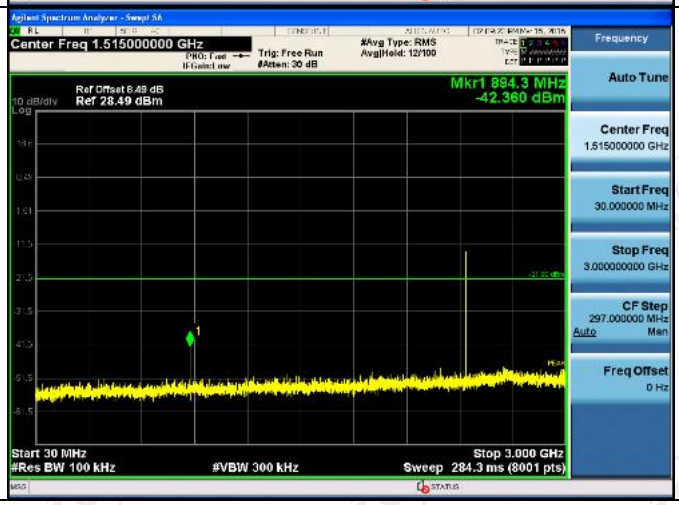
Mode	Channel	Pref [dBm]	Puw[dBm]	Verdict
GFSK	LCH	2.823	<Limit	PASS
GFSK	MCH	-1.904	<Limit	PASS
GFSK	HCH	2.095	<Limit	PASS
π/4DQPSK	LCH	1.472	<Limit	PASS
π/4DQPSK	MCH	-2.747	<Limit	PASS
π/4DQPSK	HCH	0.476	<Limit	PASS
8DPSK	LCH	0.916	<Limit	PASS
8DPSK	MCH	-2.779	<Limit	PASS
8DPSK	HCH	0.71	<Limit	PASS

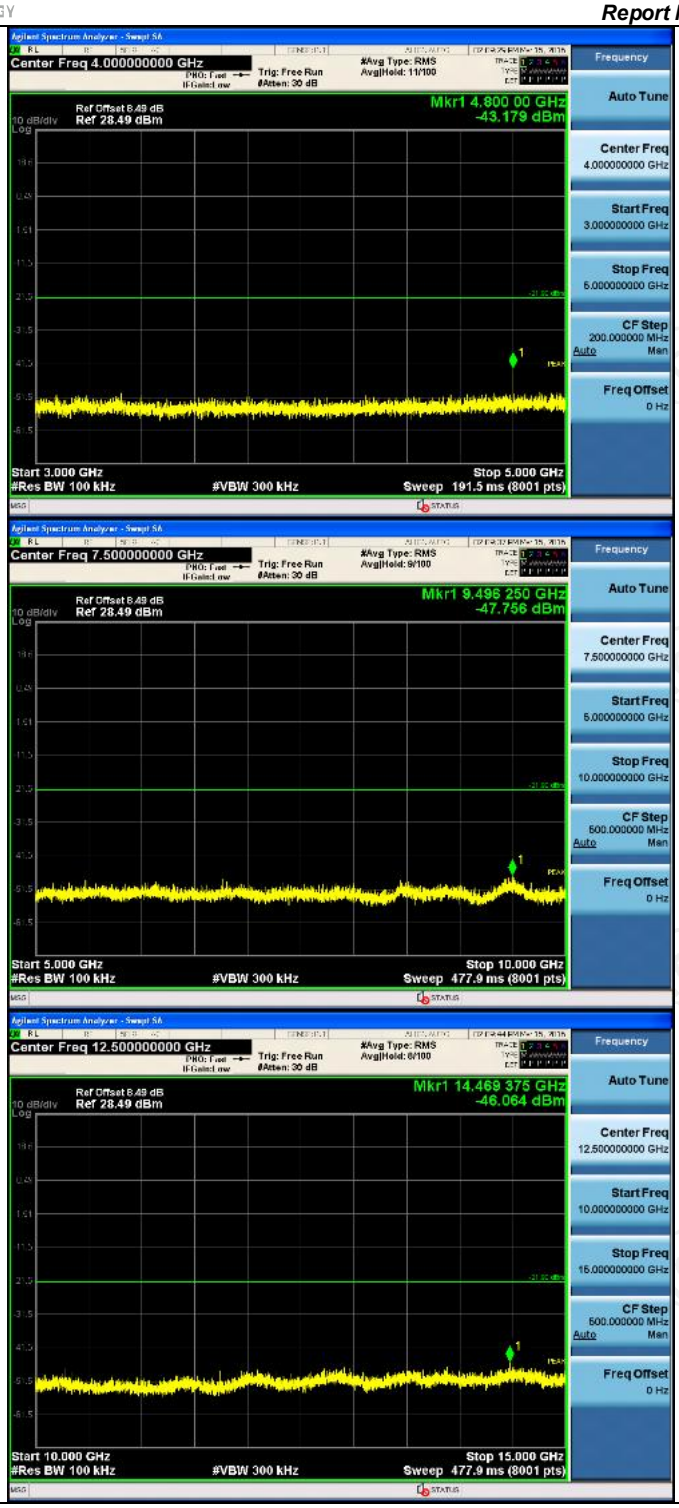
Test Graph

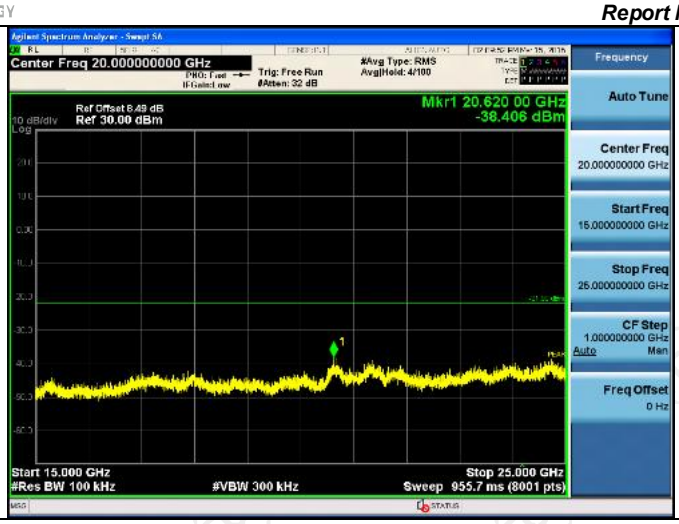
GFSK_LCH_Graphs		
Pref		
Puw		

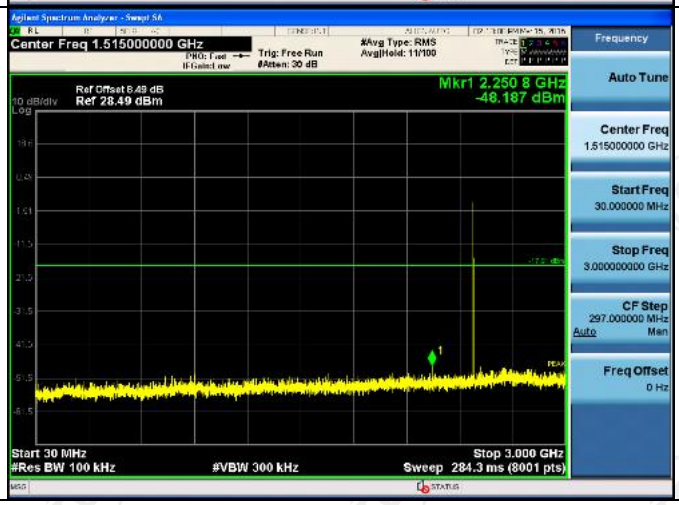

Agilent Spectrum Analyzer - Swept SA
Center Freq 4.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 11/100
Frequency
Auto Tune
Mkr1 4.800 00 GHz
-43.647 dBm
Ref Offset 8.59 dB
10 dB/div
Ref 28.59 dBm
Log
Center Freq
4.000000000 GHz
Start Freq
3.000000000 GHz
Stop Freq
5.000000000 GHz
CF Step
200.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 3.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.000 GHz
Sweep 191.5 ms (8001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 7.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 9/100
Frequency
Auto Tune
Mkr1 9.461 875 GHz
-48.410 dBm
Ref Offset 8.59 dB
10 dB/div
Ref 28.59 dBm
Log
Center Freq
7.500000000 GHz
Start Freq
5.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 5.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 10.000 GHz
Sweep 477.9 ms (8001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 12.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 8/100
Frequency
Auto Tune
Mkr1 14.738 750 GHz
-46.271 dBm
Ref Offset 8.59 dB
10 dB/div
Ref 28.59 dBm
Log
Center Freq
12.500000000 GHz
Start Freq
10.000000000 GHz
Stop Freq
15.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 10.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 15.000 GHz
Sweep 477.9 ms (8001 pts)

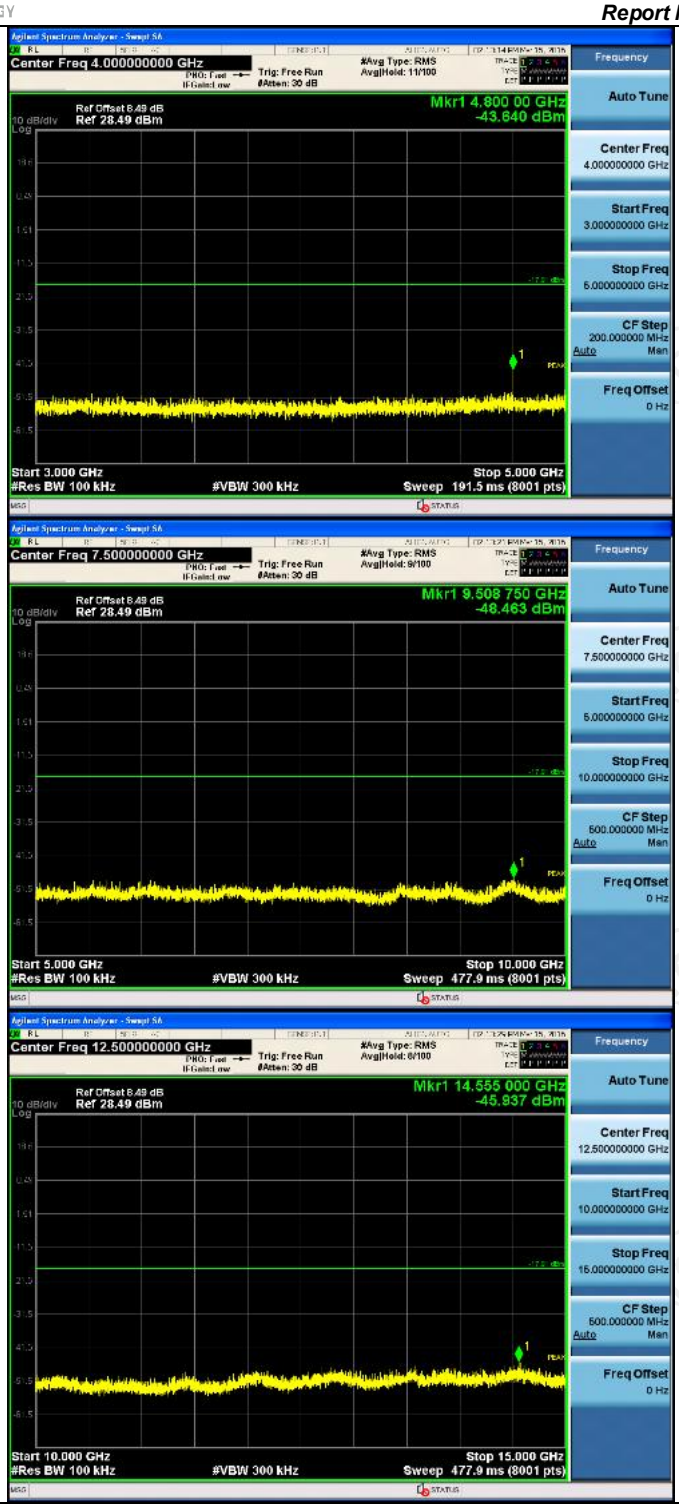
		

GFSK_MCH_Graphs		
Pref		
Puw		

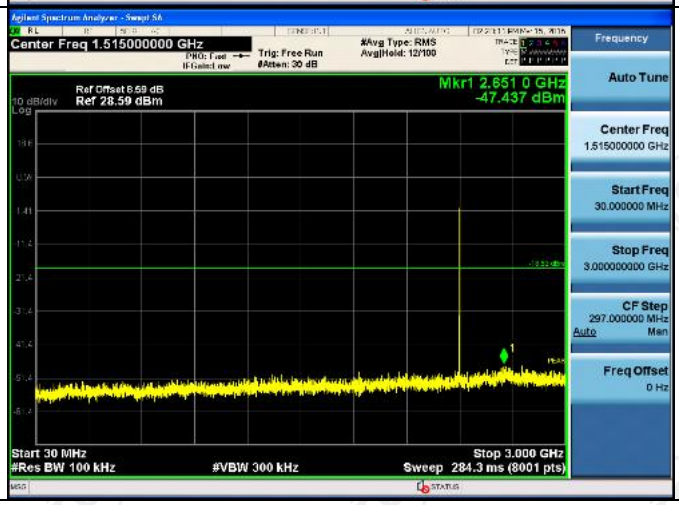

Agilent Spectrum Analyzer - Swept SA
Center Freq 4.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 11/100
Frequency
Auto Tune
Mkr1 4.800 00 GHz
-43.179 dBm
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Log
Center Freq
4.000000000 GHz
Start Freq
3.000000000 GHz
Stop Freq
5.000000000 GHz
CF Step
200.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 3.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.000 GHz
Sweep 191.5 ms (8001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 7.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 9/100
Frequency
Auto Tune
Mkr1 9.496 250 GHz
-47.756 dBm
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Log
Center Freq
7.500000000 GHz
Start Freq
5.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 5.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 10.000 GHz
Sweep 477.9 ms (8001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 12.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 8/100
Frequency
Auto Tune
Mkr1 14.469 375 GHz
-46.064 dBm
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Log
Center Freq
12.500000000 GHz
Start Freq
10.000000000 GHz
Stop Freq
15.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 10.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 15.000 GHz
Sweep 477.9 ms (8001 pts)

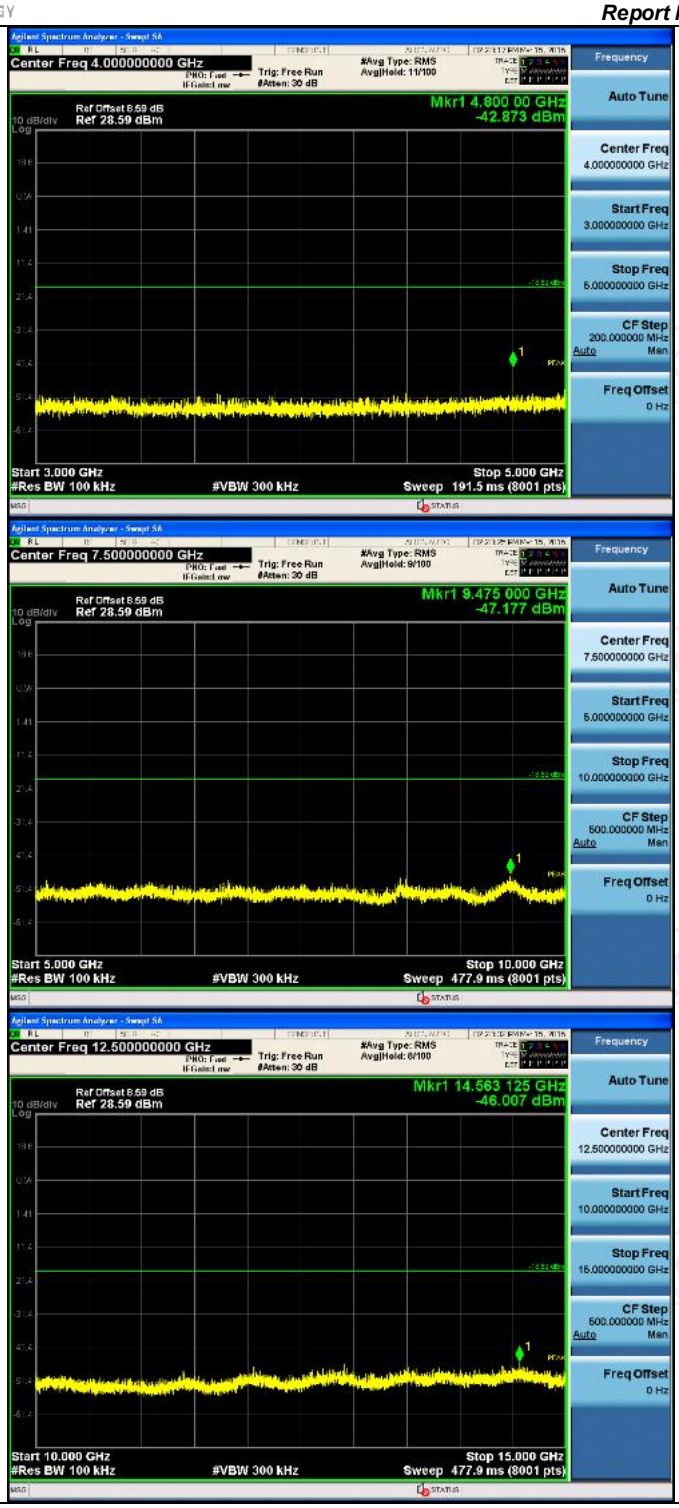
		

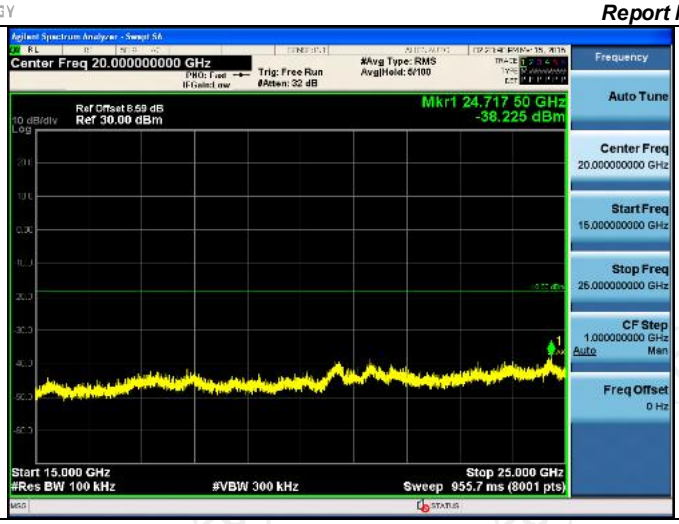
GFSK_HCH_Graphs		
Pref		
Puw		

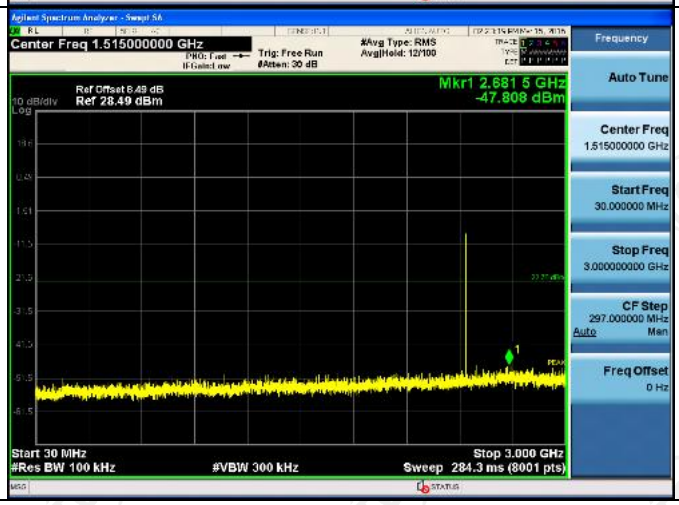

Agilent Spectrum Analyzer - Swept SA
Center Freq 4.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 11/100
Frequency
Auto Tune
Mkr1 4.800 00 GHz
-43.640 dBm
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Log
Center Freq
4.000000000 GHz
Start Freq
3.000000000 GHz
Stop Freq
5.000000000 GHz
CF Step
200.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 3.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.000 GHz
Sweep 191.5 ms (8001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 7.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 9/100
Frequency
Auto Tune
Mkr1 9.508 750 GHz
-48.463 dBm
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Log
Center Freq
7.500000000 GHz
Start Freq
5.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 5.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 10.000 GHz
Sweep 477.9 ms (8001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 12.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 8/100
Frequency
Auto Tune
Mkr1 14.555 000 GHz
-45.937 dBm
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Log
Center Freq
12.500000000 GHz
Start Freq
10.000000000 GHz
Stop Freq
15.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 10.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 15.000 GHz
Sweep 477.9 ms (8001 pts)

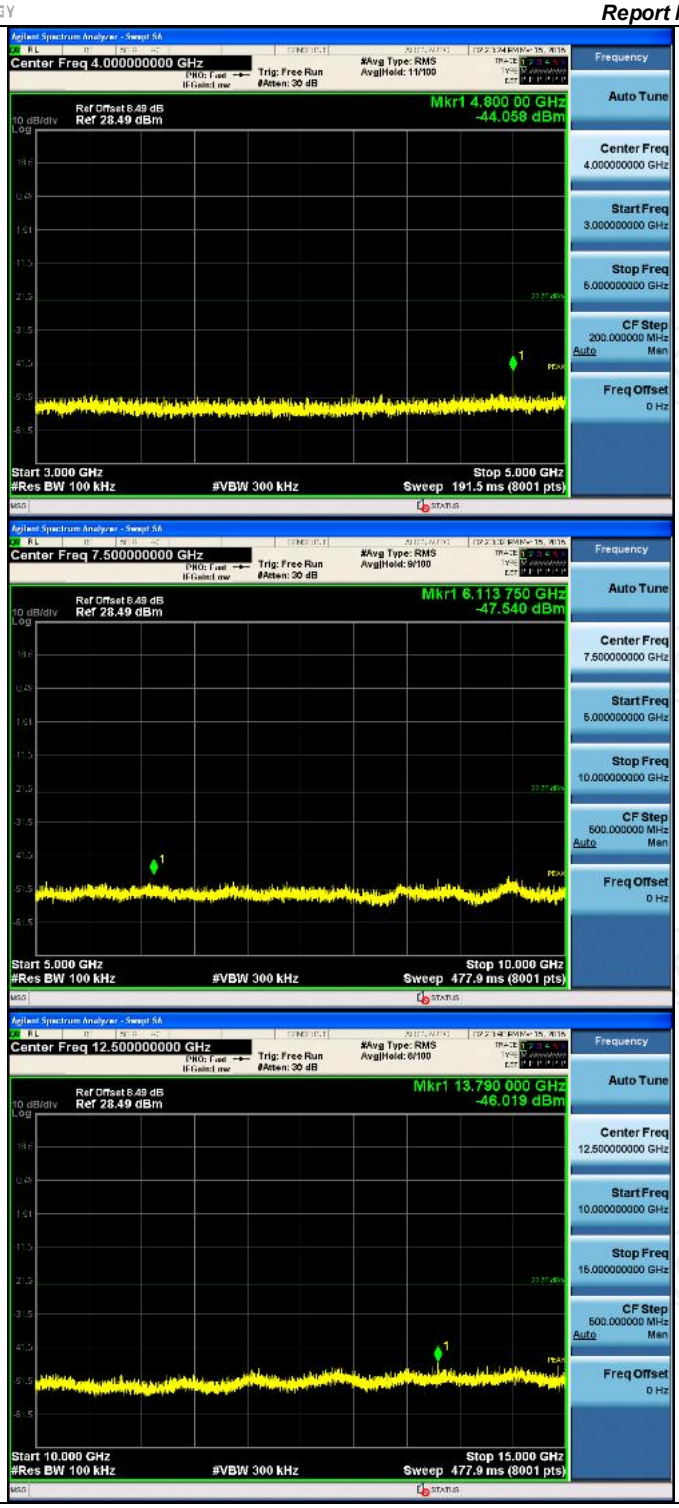
		

π/4DQPSK_LCH_Graphs		
Pref		
Puw		

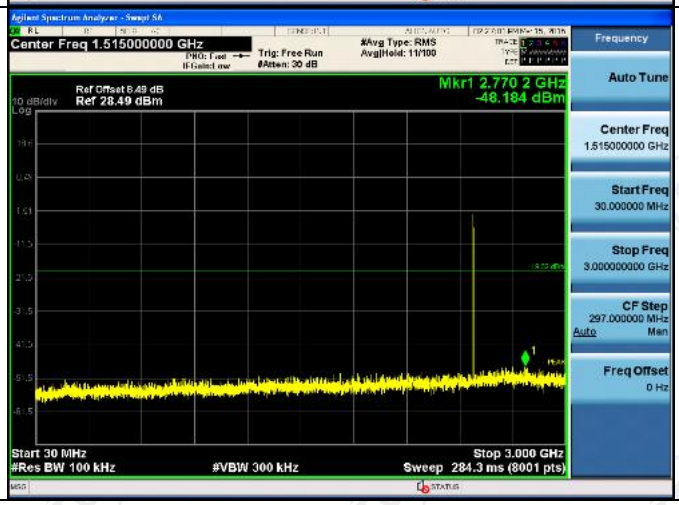

Agilent Spectrum Analyzer - Swept SA
Center Freq 4.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 11/100
Frequency
Auto Tune
Mkr1 4.800 00 GHz
-42.873 dBm
Ref Offset 8.59 dB
10 dB/div
Ref 28.59 dBm
Log
Center Freq
4.000000000 GHz
Start Freq
3.000000000 GHz
Stop Freq
5.000000000 GHz
CF Step
200.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 3.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.000 GHz
Sweep 191.5 ms (8001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 7.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 9/100
Frequency
Auto Tune
Mkr1 9.475 000 GHz
-47.177 dBm
Ref Offset 8.59 dB
10 dB/div
Ref 28.59 dBm
Log
Center Freq
7.500000000 GHz
Start Freq
5.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 5.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 10.000 GHz
Sweep 477.9 ms (8001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 12.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 8/100
Frequency
Auto Tune
Mkr1 14.563 125 GHz
-46.007 dBm
Ref Offset 8.59 dB
10 dB/div
Ref 28.59 dBm
Log
Center Freq
12.500000000 GHz
Start Freq
10.000000000 GHz
Stop Freq
15.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 10.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 15.000 GHz
Sweep 477.9 ms (8001 pts)

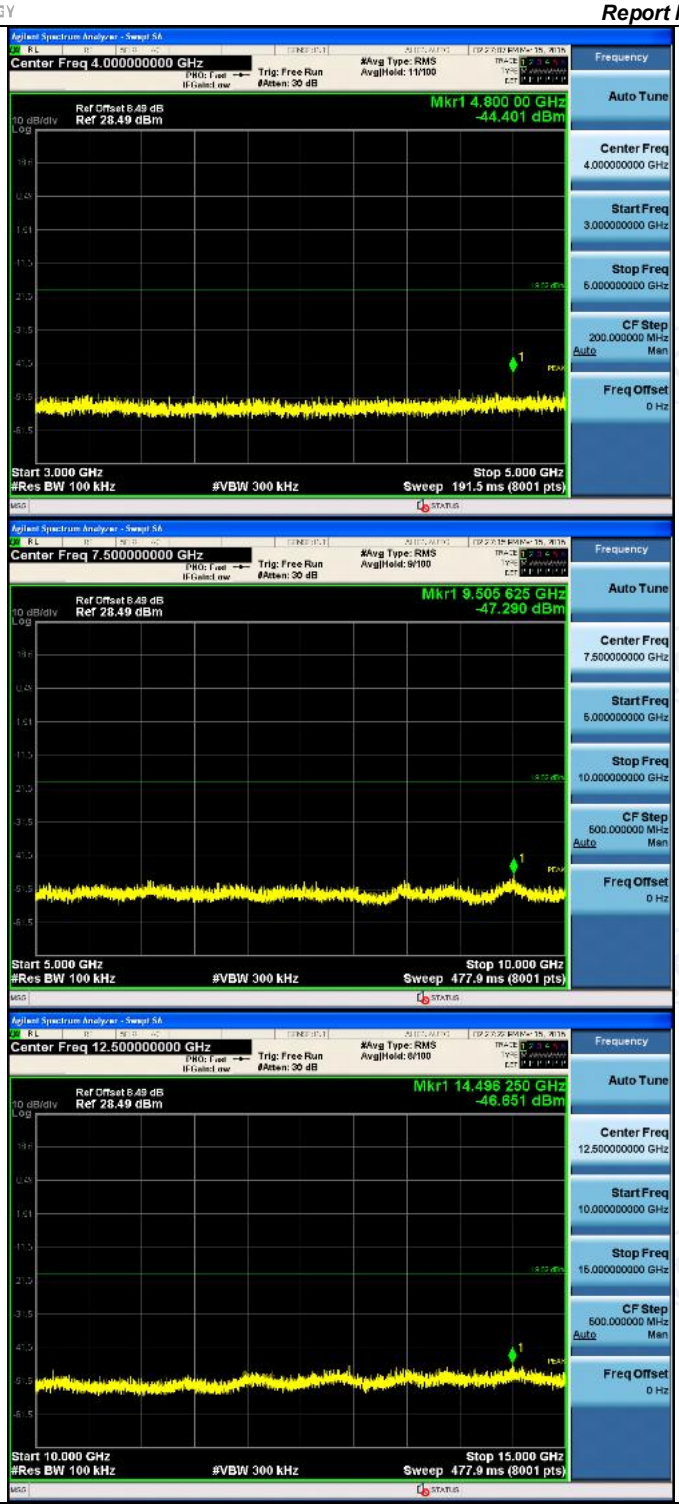
		

π/4DQPSK_MCH_Graphs		
Pref		
Puw		

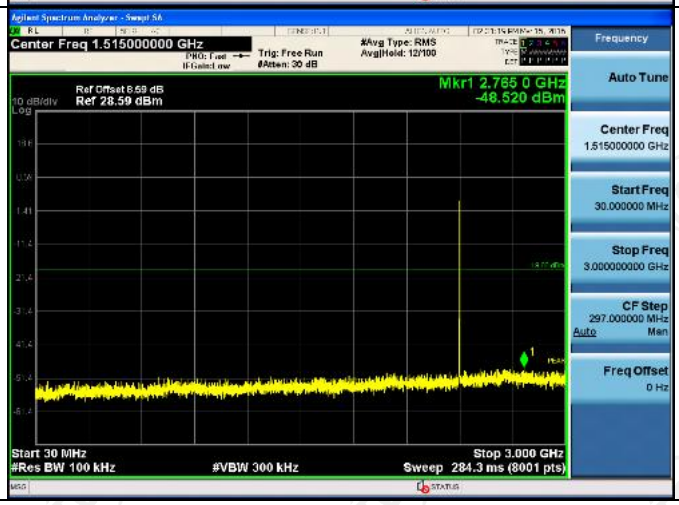

Agilent Spectrum Analyzer - Swept SA
Center Freq 4.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 11/100
Frequency
Auto Tune
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Log
Mkr1 4.800 00 GHz
-44.058 dBm
Center Freq
4.000000000 GHz
Start Freq
3.000000000 GHz
Stop Freq
5.000000000 GHz
CF Step
200.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 3.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.000 GHz
Sweep 191.5 ms (8001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 7.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 9/100
Frequency
Auto Tune
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Log
Mkr1 6.113 750 GHz
-47.540 dBm
Center Freq
7.500000000 GHz
Start Freq
5.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 5.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 10.000 GHz
Sweep 477.9 ms (8001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 12.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 8/100
Frequency
Auto Tune
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Log
Mkr1 13.790 000 GHz
-46.019 dBm
Center Freq
12.500000000 GHz
Start Freq
10.000000000 GHz
Stop Freq
15.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 10.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 15.000 GHz
Sweep 477.9 ms (8001 pts)

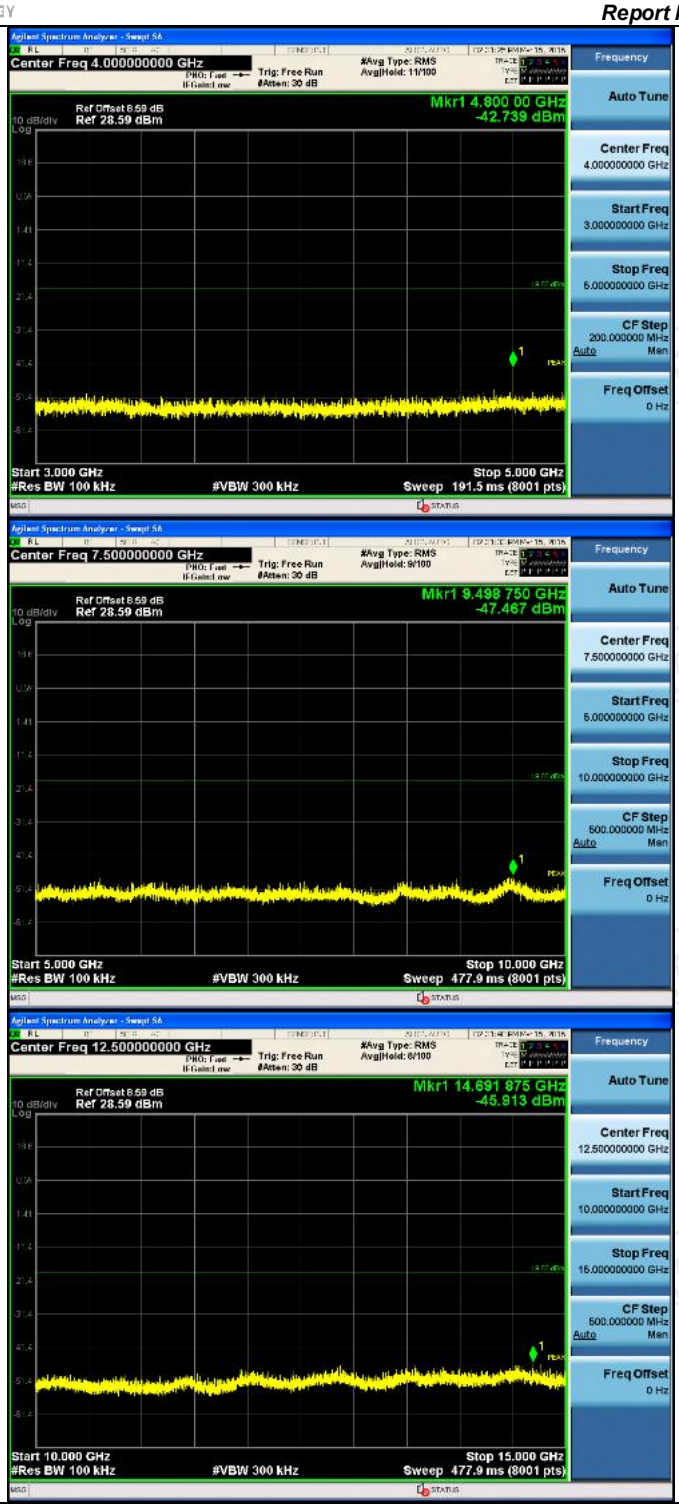
		

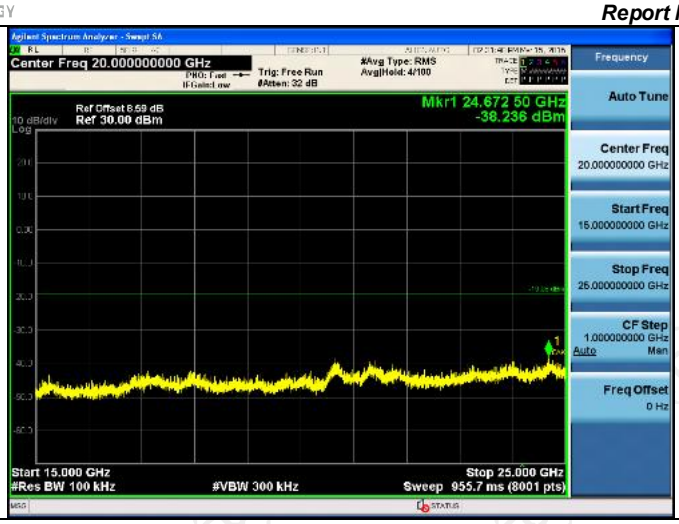
π/4DQPSK_HCH_Graphs		
Pref		
Puw		

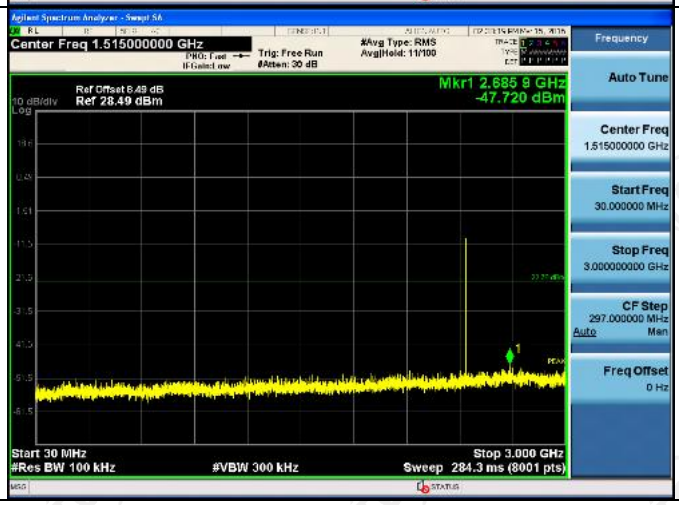

Agilent Spectrum Analyzer - Swept SA
Center Freq 4.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 11/100
Frequency
Auto Tune
Mkr1 4.800 00 GHz
-44.401 dBm
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Log
Center Freq
4.000000000 GHz
Start Freq
3.000000000 GHz
Stop Freq
5.000000000 GHz
CF Step
200.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 3.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.000 GHz
Sweep 191.5 ms (8001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 7.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 9/100
Frequency
Auto Tune
Mkr1 9.505 625 GHz
-47.290 dBm
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Log
Center Freq
7.500000000 GHz
Start Freq
5.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 5.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 10.000 GHz
Sweep 477.9 ms (8001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 12.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 8/100
Frequency
Auto Tune
Mkr1 14.496 250 GHz
-46.651 dBm
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Log
Center Freq
12.500000000 GHz
Start Freq
10.000000000 GHz
Stop Freq
15.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 10.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 15.000 GHz
Sweep 477.9 ms (8001 pts)

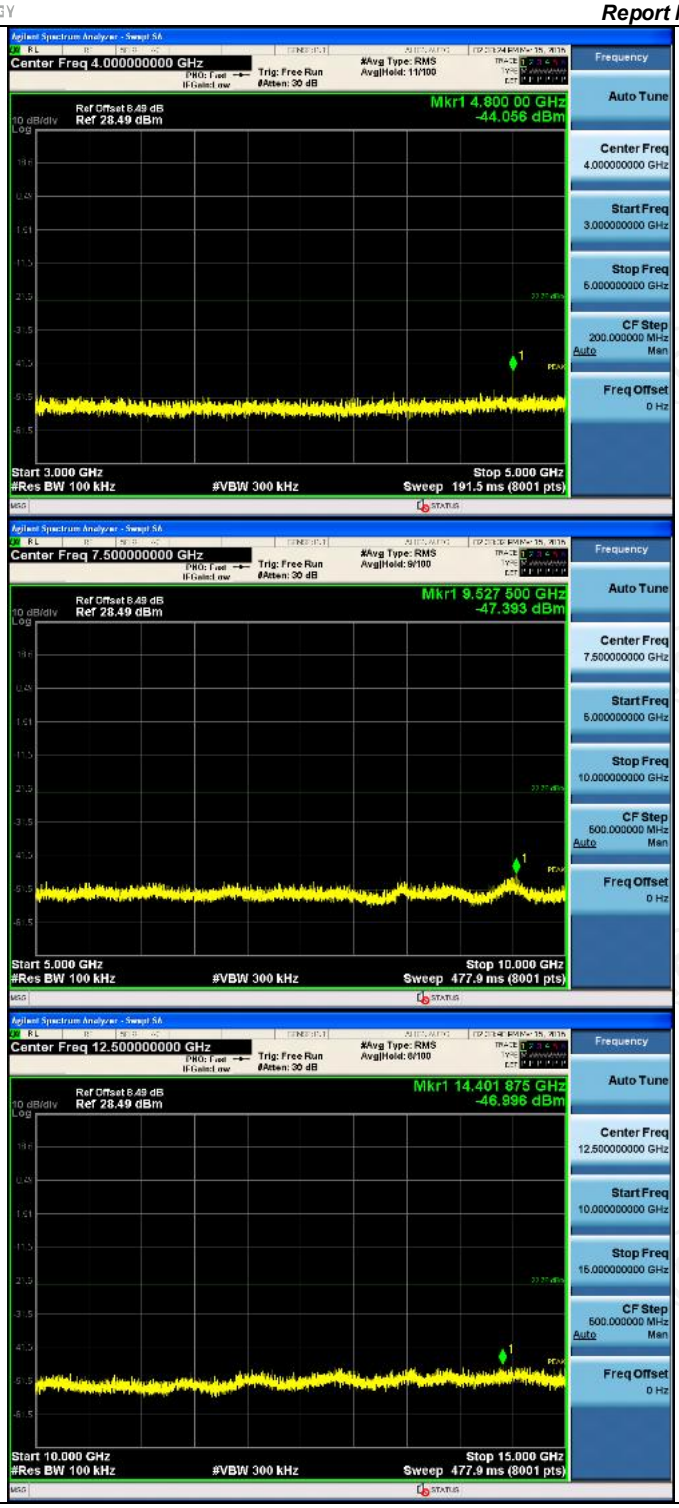
		

8DPSK_LCH_Graphs		
Pref		
Puw		

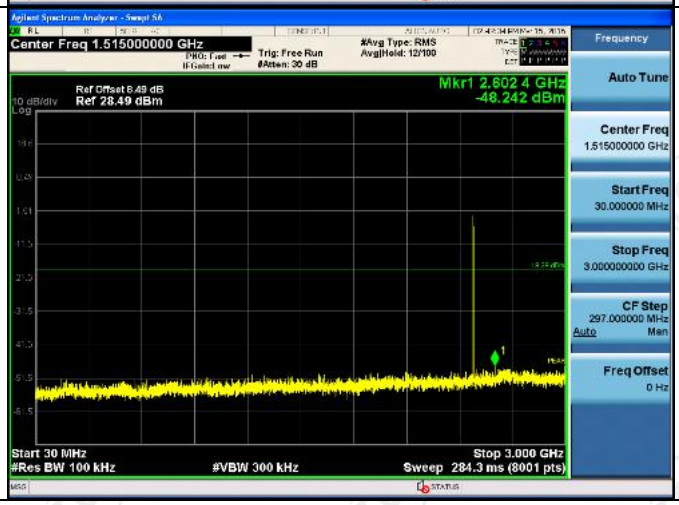

Agilent Spectrum Analyzer - Swept SA
Center Freq 4.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 11/100
Frequency
Auto Tune
Mkr1 4.800 00 GHz
-42.739 dBm
Ref Offset 8.59 dB
10 dB/div
Ref 28.59 dBm
Log
Center Freq
4.000000000 GHz
Start Freq
3.000000000 GHz
Stop Freq
5.000000000 GHz
CF Step
200.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 3.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.000 GHz
Sweep 191.5 ms (8001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 7.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 9/100
Frequency
Auto Tune
Mkr1 9.498 750 GHz
-47.467 dBm
Ref Offset 8.59 dB
10 dB/div
Ref 28.59 dBm
Log
Center Freq
7.500000000 GHz
Start Freq
5.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 5.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 10.000 GHz
Sweep 477.9 ms (8001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 12.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 8/100
Frequency
Auto Tune
Mkr1 14.691 875 GHz
-45.913 dBm
Ref Offset 8.59 dB
10 dB/div
Ref 28.59 dBm
Log
Center Freq
12.500000000 GHz
Start Freq
10.000000000 GHz
Stop Freq
15.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 10.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 15.000 GHz
Sweep 477.9 ms (8001 pts)

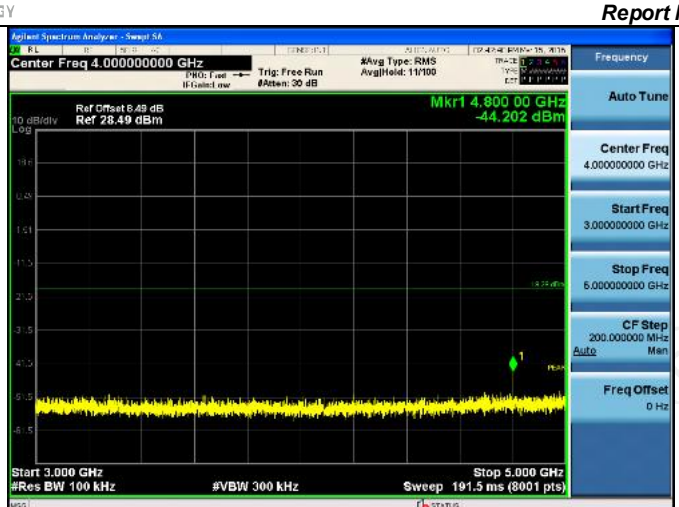
		

8DPSK_MCH_Graphs		
Pref		
Puw		

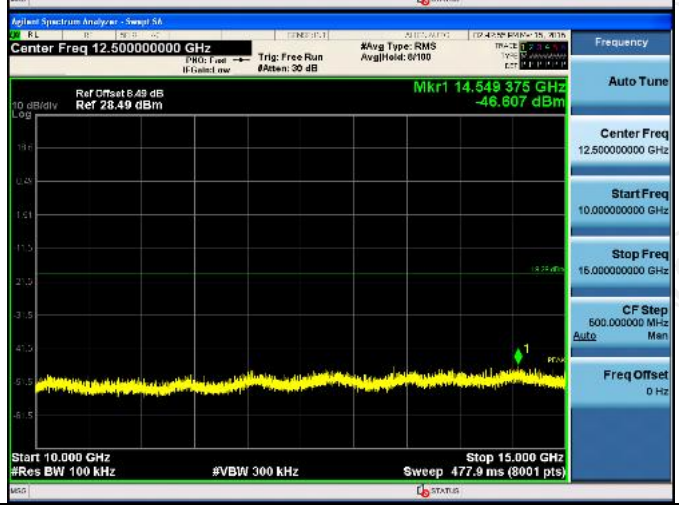

Agilent Spectrum Analyzer - Swept SA
Center Freq 4.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 11/100
Frequency
Auto Tune
Mkr1 4.800 00 GHz
-44.056 dBm
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Log
Center Freq
4.000000000 GHz
Start Freq
3.000000000 GHz
Stop Freq
5.000000000 GHz
CF Step
200.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 3.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.000 GHz
Sweep 191.5 ms (8001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 7.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 9/100
Frequency
Auto Tune
Mkr1 9.527 500 GHz
-47.393 dBm
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Log
Center Freq
7.500000000 GHz
Start Freq
5.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 5.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 10.000 GHz
Sweep 477.9 ms (8001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 12.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 8/100
Frequency
Auto Tune
Mkr1 14.401 875 GHz
-46.996 dBm
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Log
Center Freq
12.500000000 GHz
Start Freq
10.000000000 GHz
Stop Freq
15.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 10.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 15.000 GHz
Sweep 477.9 ms (8001 pts)

8DPSK_HCH_Graphs		
Pref		
Puw		


Agilent Spectrum Analyzer - Swept SA
Center Freq 4.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 11/100
Frequency
Auto Tune
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Log
Mkr1 4.800 00 GHz
-44.202 dBm
Center Freq
4.000000000 GHz
Start Freq
3.000000000 GHz
Stop Freq
5.000000000 GHz
CF Step
200.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 3.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.000 GHz
Sweep 191.5 ms (8001 pts)


Agilent Spectrum Analyzer - Swept SA
Center Freq 7.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 9/100
Frequency
Auto Tune
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Log
Mkr1 9.503 125 GHz
-48.320 dBm
Center Freq
7.500000000 GHz
Start Freq
5.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 5.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 10.000 GHz
Sweep 477.9 ms (8001 pts)


Agilent Spectrum Analyzer - Swept SA
Center Freq 12.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 8/100
Frequency
Auto Tune
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Log
Mkr1 14.549 375 GHz
-46.607 dBm
Center Freq
12.500000000 GHz
Start Freq
10.000000000 GHz
Stop Freq
15.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 10.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 15.000 GHz
Sweep 477.9 ms (8001 pts)


Agilent Spectrum Analyzer - Swept SA
Center Freq 20.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 32 dB
#Avg Type: RMS
Avg|Hold: 4/100
Frequency
Auto Tune
Mkr1 24.741 25 GHz
-38.541 dBm
Ref Offset 8.49 dB
10 dB/div
Ref 30.00 dBm
Log
Center Freq
20.000000000 GHz
Start Freq
15.000000000 GHz
Stop Freq
25.000000000 GHz
CF Step
1.000000000 GHz
Auto
Man
Freq Offset
0 Hz
Start 15.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 25.000 GHz
Sweep 955.7 ms (8001 pts)
STATUS