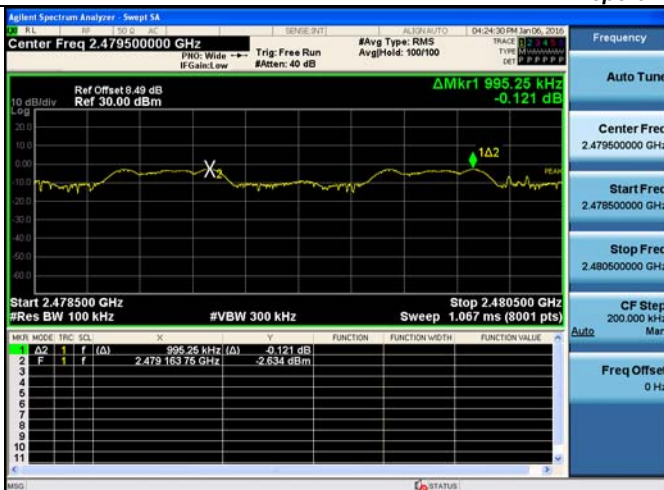


8DPSK/HCH



Dwell Time

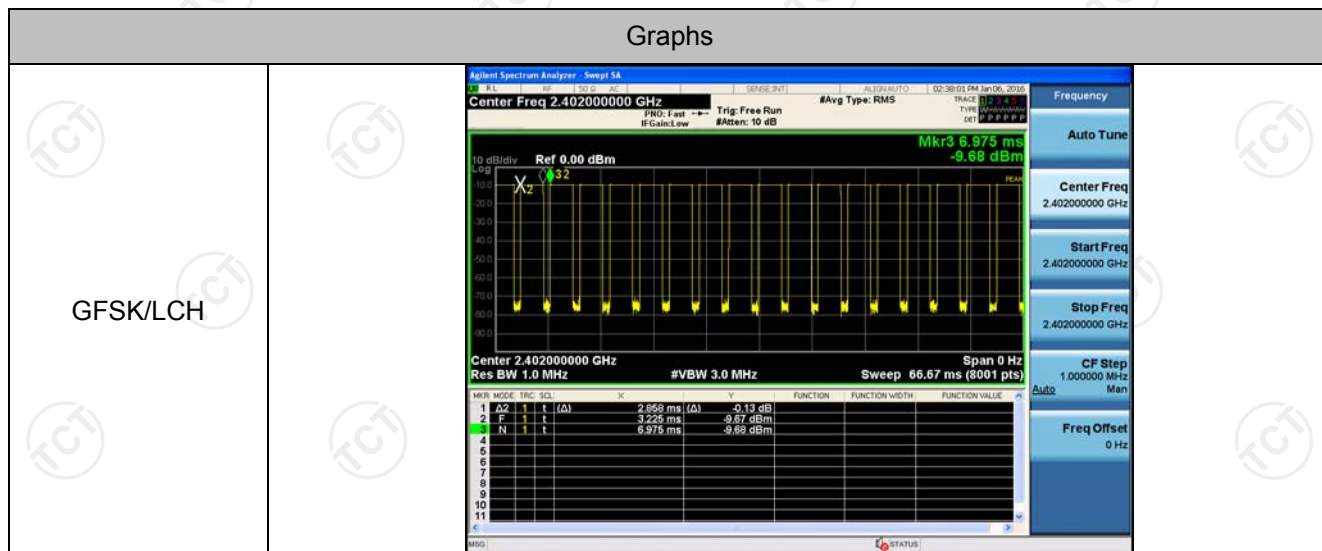
Result Table

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

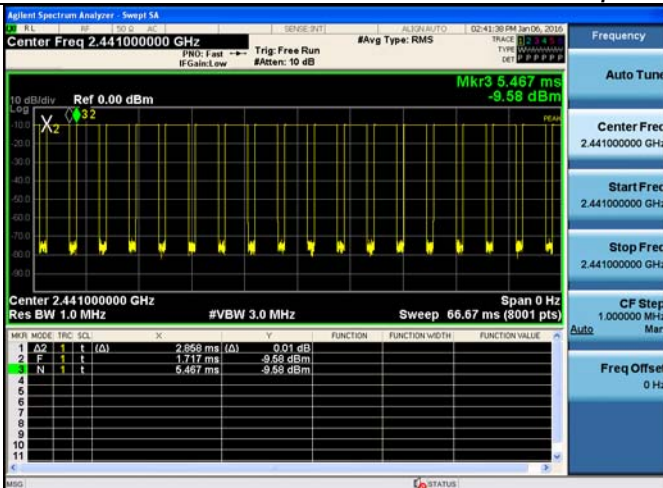
- The duration for dwell time calculation: $0.4[s] \times \text{hopping number} = 0.4[s] \times 79[\text{ch}] = 31.6[s \cdot \text{ch}]$;
- The burst width [ms/hop/ch], which is directly measured, refers to the duration on one channel hop.
- The hops per second for all channels: The selected EUT Conf 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 $1600/6=266.67 [\text{ch} \cdot \text{hop/s}]$
- The hops per second on one channel: $266.67 [\text{ch} \cdot \text{hops/s}] / 79 [\text{ch}] = 3.38 [\text{hop/s}]$;
- The total hops for all channels within the dwell time calculation duration: $3.38 [\text{hop/s}] \times 31.6[s \cdot \text{ch}] = 106.67 [\text{hop} \cdot \text{ch}]$;
- The dwell time for all channels hopping: $106.67 [\text{hop} \cdot \text{ch}] \times \text{Burst Width} [\text{ms/hop/ch}]$.

Mode	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Duty Cycle [%]	Verdict
GFSK	LCH	2.858	106.7	0.305	76.22	PASS
GFSK	MCH	2.858	106.7	0.305	76.22	PASS
GFSK	HCH	2.858	106.7	0.305	76.22	PASS
$\pi/4$ DQPSK	LCH	2.858	106.7	0.305	76.22	PASS
$\pi/4$ DQPSK	MCH	2.867	106.7	0.306	76.44	PASS
$\pi/4$ DQPSK	HCH	2.867	106.7	0.306	76.44	PASS
8DPSK	LCH	2.867	106.7	0.306	76.44	PASS
8DPSK	MCH	2.858	106.7	0.305	76.22	PASS
8DPSK	HCH	2.867	106.7	0.306	76.44	PASS

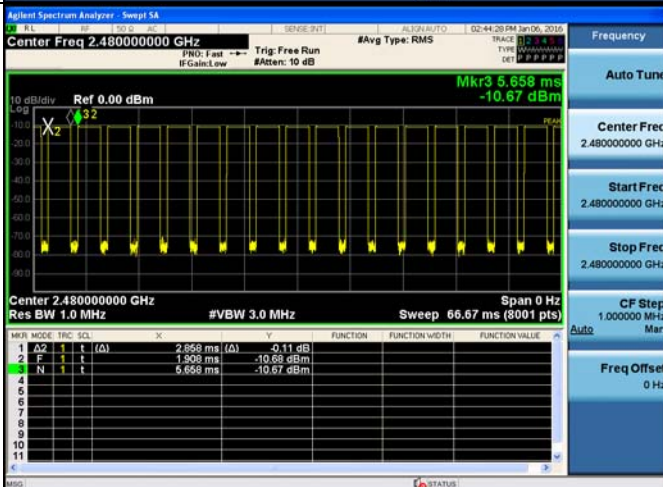
Test Graph



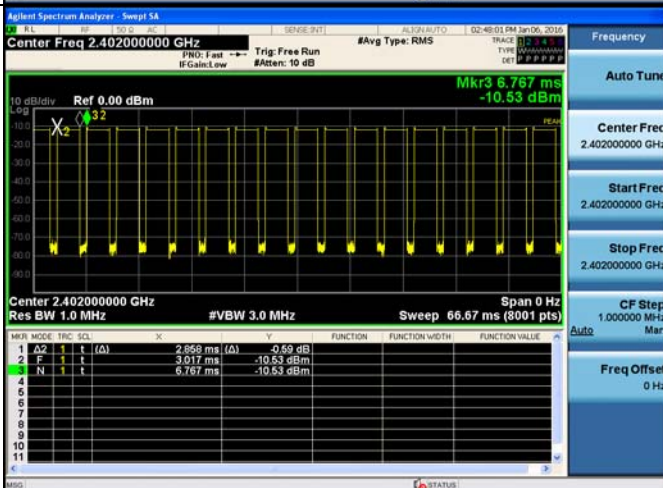
GFSK/MCH

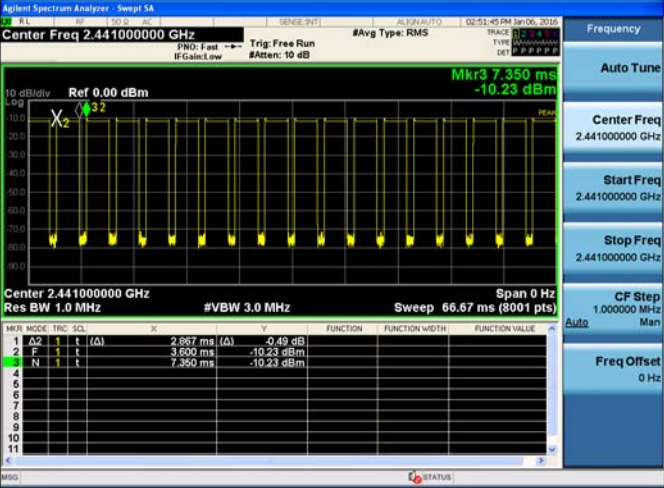
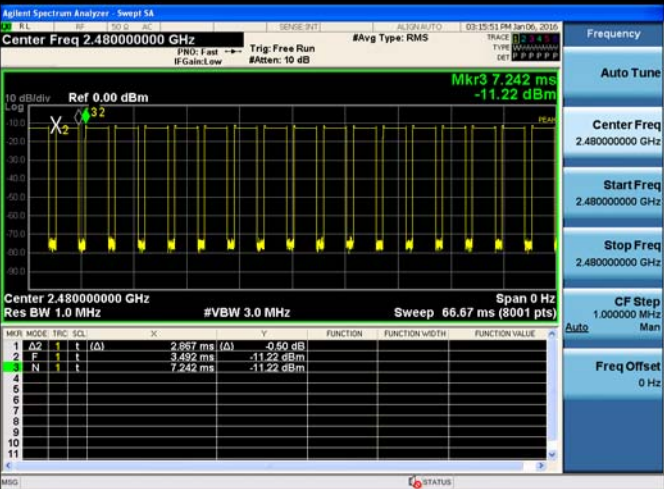
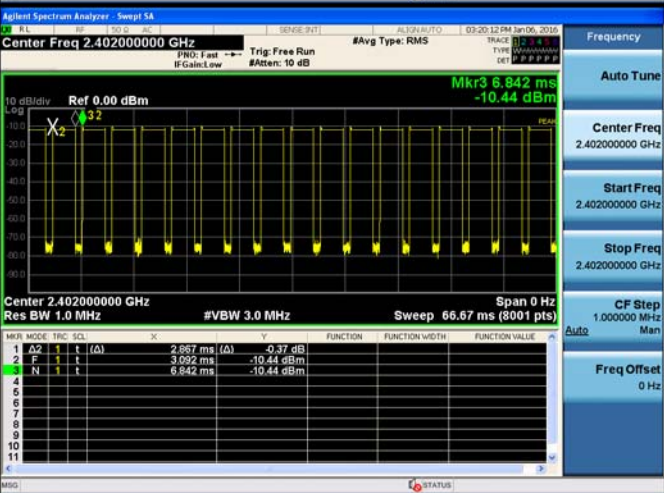


GFSK/HCH

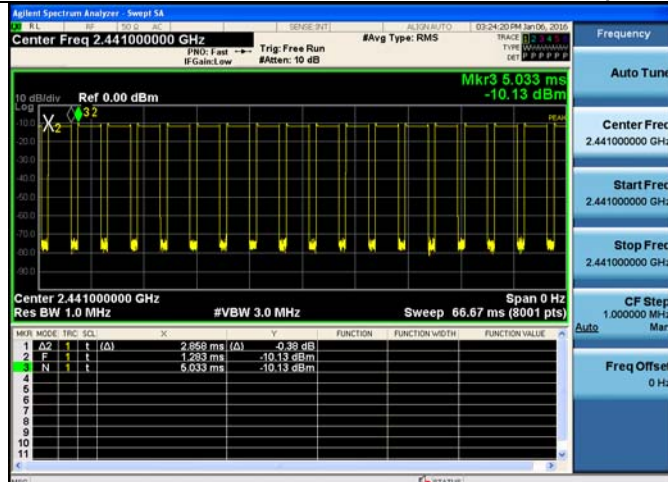


$\pi/4$ DQPSK/LCH

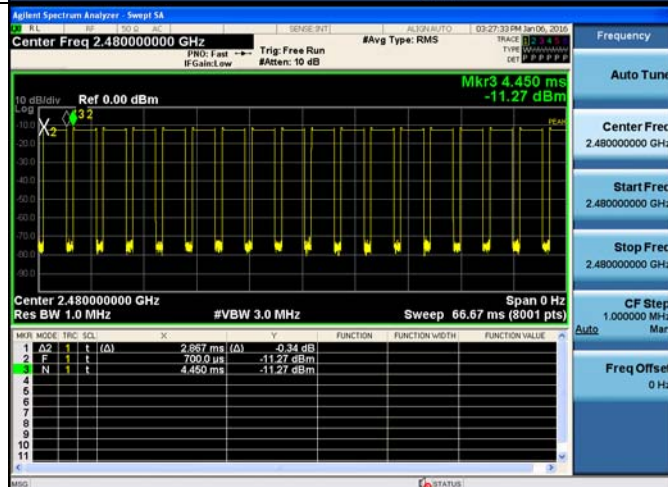


$\pi/4$DQPSK/MCH		
$\pi/4$DQPSK/HCH		
8DPSK/LCH		

8DPSK/MCH



8DPSK/HCH

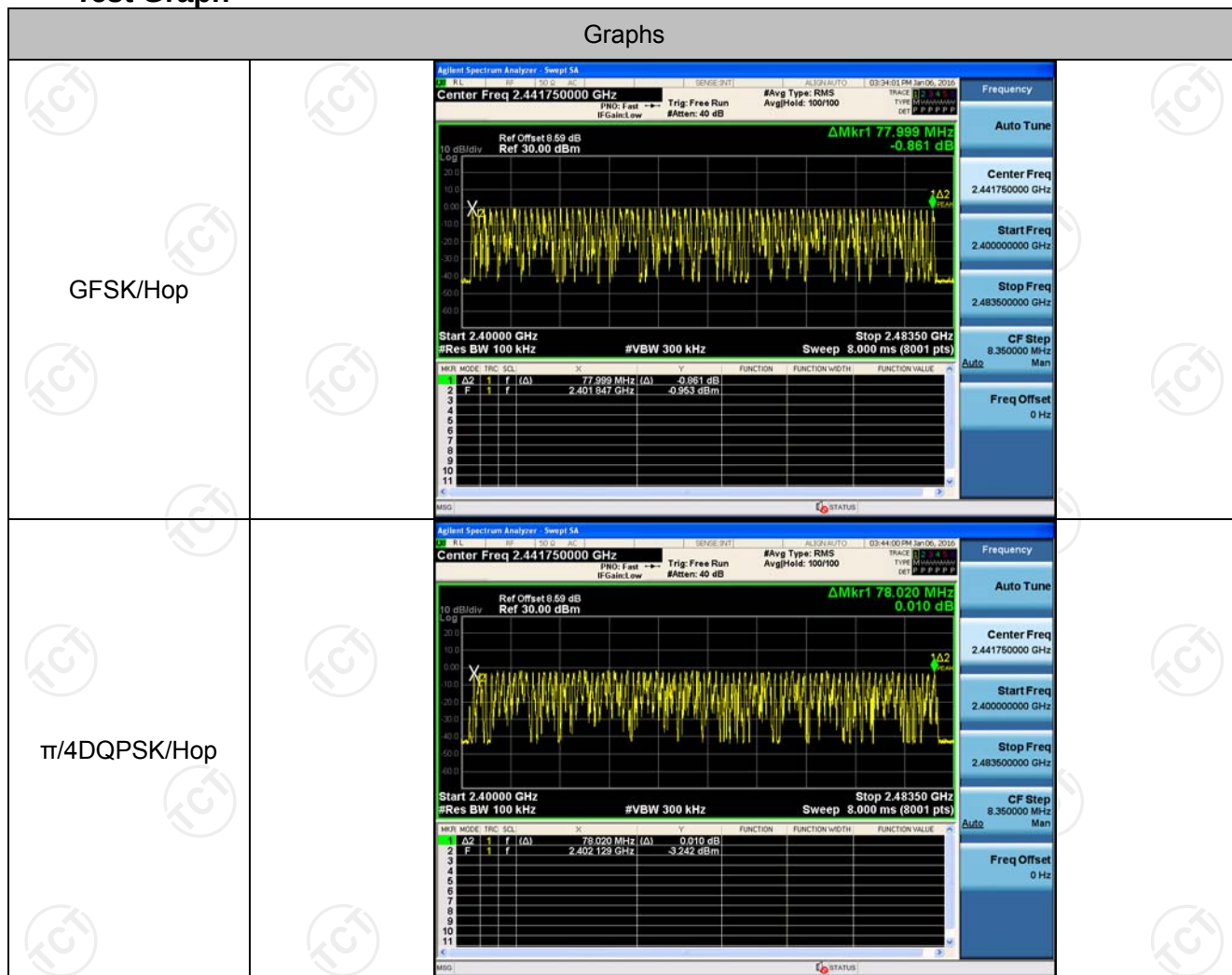


Hopping Channel Number

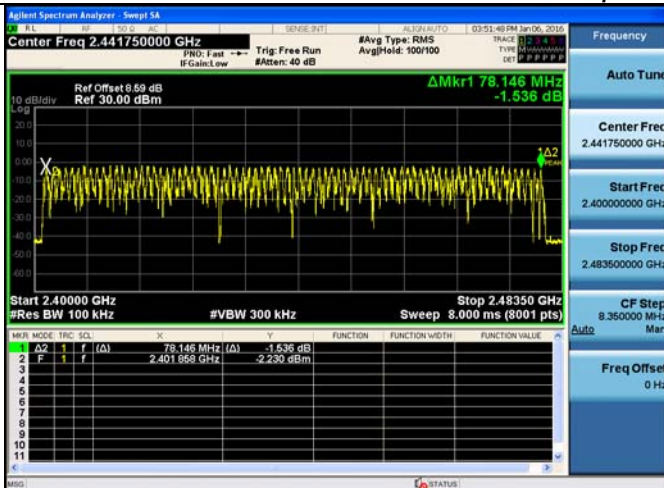
Result Table

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

Test Graph



8DPSK/Hop



Conducted Peak Output Power

Result Table

Mode	Channel.	Maximum Peak Output Power [dBm]	Verdict
GFSK	LCH	-0.694	PASS
GFSK	MCH	-0.683	PASS
GFSK	HCH	-1.716	PASS
$\pi/4$ DQPSK	LCH	-1.337	PASS
$\pi/4$ DQPSK	MCH	-1.074	PASS
$\pi/4$ DQPSK	HCH	-2.025	PASS
8DPSK	LCH	-1.189	PASS
8DPSK	MCH	-0.992	PASS
8DPSK	HCH	-2.062	PASS

Test Graph



GFSK/HCH



$\pi/4$ DQPSK/LCH



$\pi/4$ DQPSK/MCH



π/4DQPSK/HCH



8DPSK/LCH



8DPSK/MCH



8DPSK/HCH

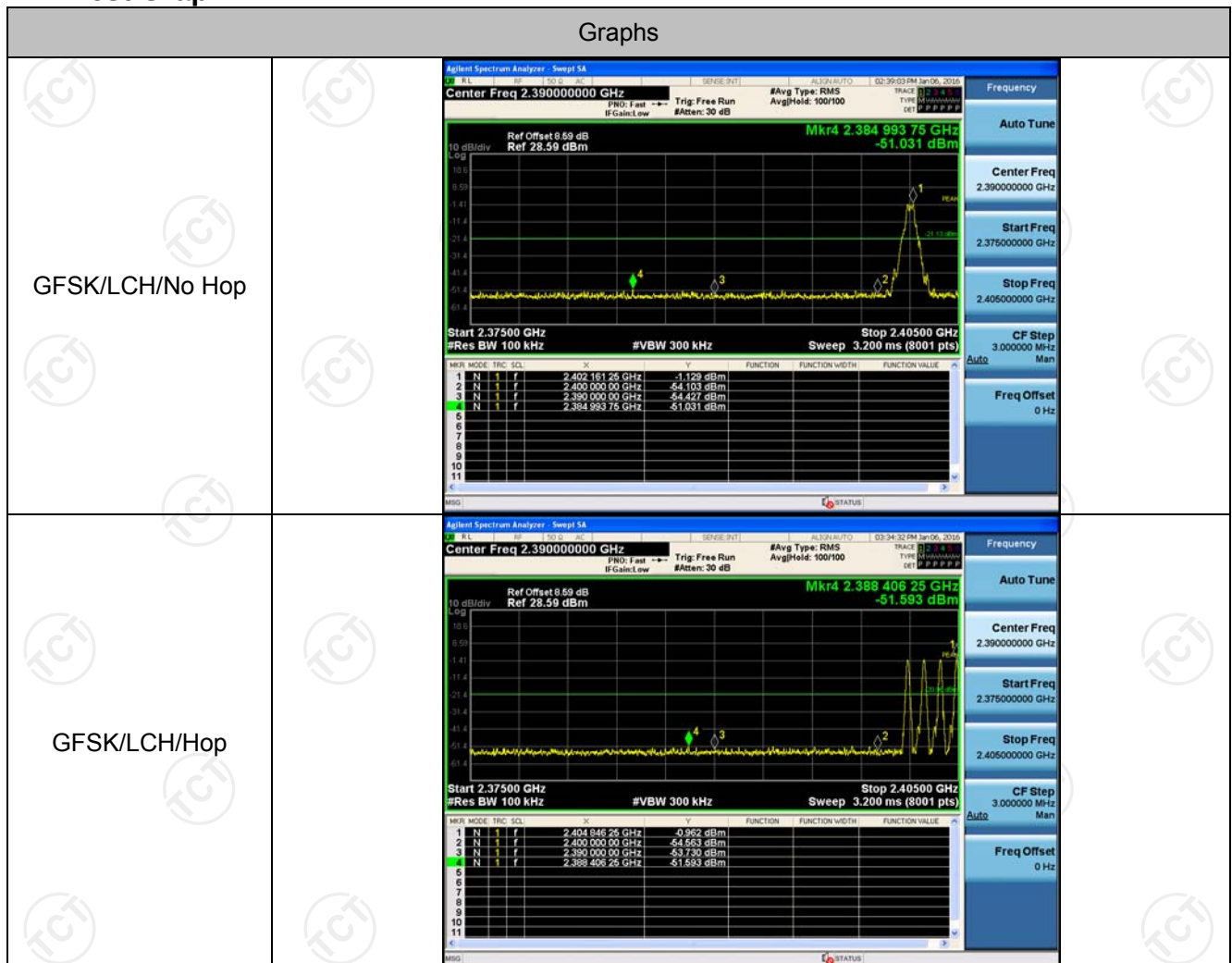


Band-edge for RF Conducted Emissions

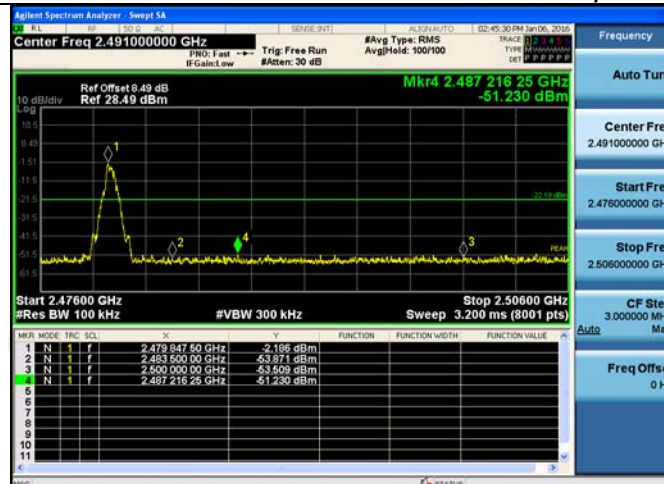
Result Table

Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
GFSK	LCH	2402	-1.129	Off	-51.031	-21.13	PASS
			-0.962	On	-51.593	-20.96	PASS
GFSK	HCH	2480	-2.186	Off	-51.230	-22.19	PASS
			-1.699	On	-50.622	-21.7	PASS
$\pi/4$ DQPSK	LCH	2402	-2.274	Off	-51.340	-22.27	PASS
			-3.266	On	-51.345	-23.27	PASS
$\pi/4$ DQPSK	HCH	2480	-3.080	Off	-51.214	-23.08	PASS
			-2.897	On	-51.127	-22.9	PASS
8DPSK	LCH	2402	-2.314	Off	-51.694	-22.31	PASS
			-2.314	On	-51.276	-22.31	PASS
8DPSK	HCH	2480	-2.799	Off	-51.101	-22.8	PASS
			-3.359	On	-50.858	-23.36	PASS

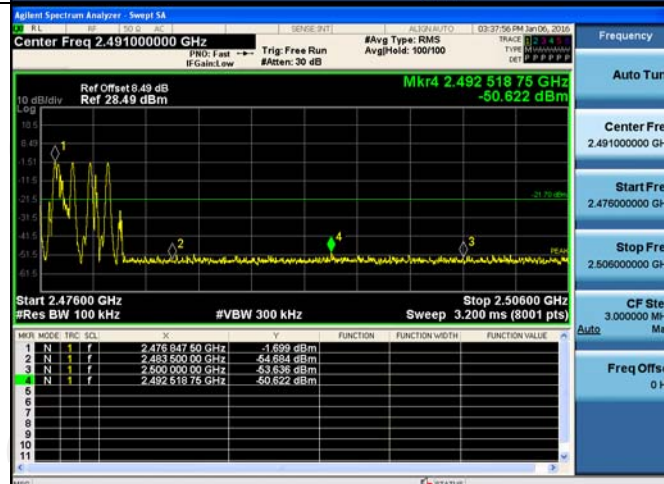
Test Graph



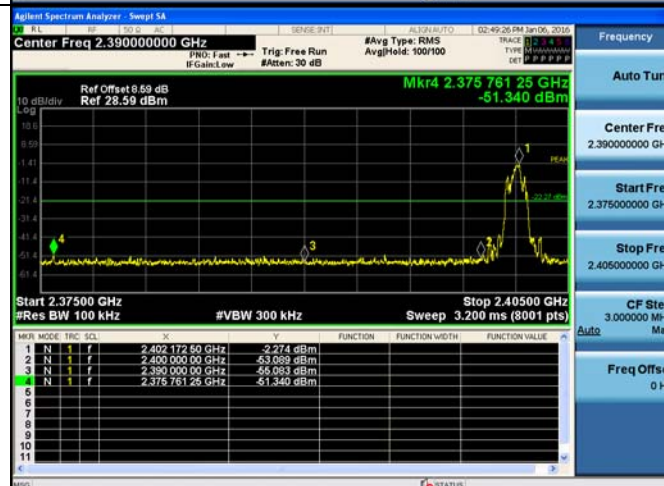
GFSK/HCH/No Hop



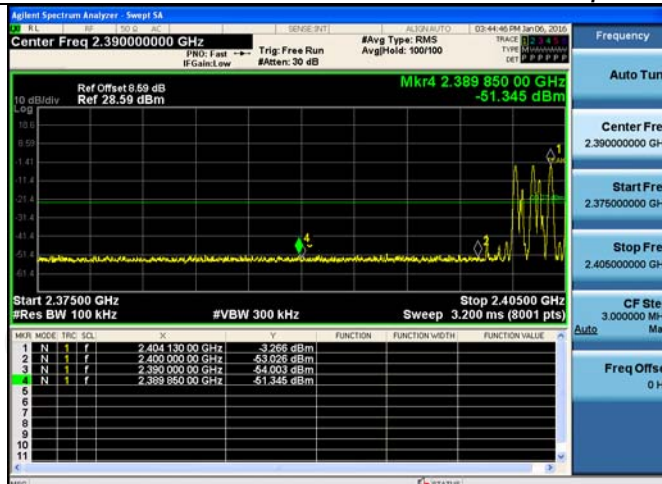
GFSK/HCH/Hop



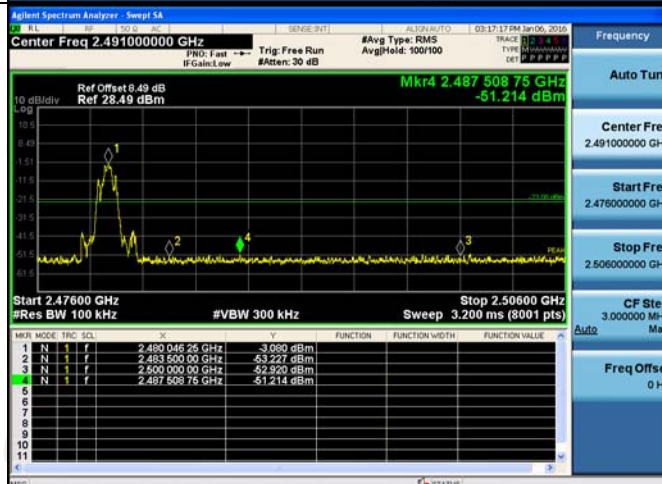
$\pi/4$ DQPSK/LCH/No Hop



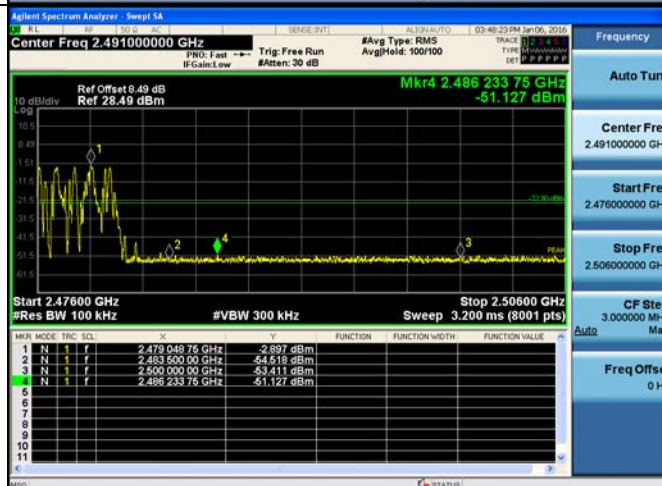
$\pi/4$ DQPSK/LCH/Hop



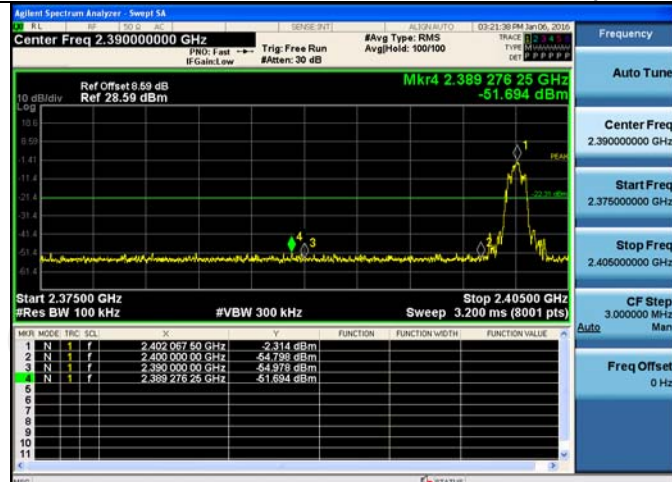
$\pi/4$ DQPSK/HCH/No Hop



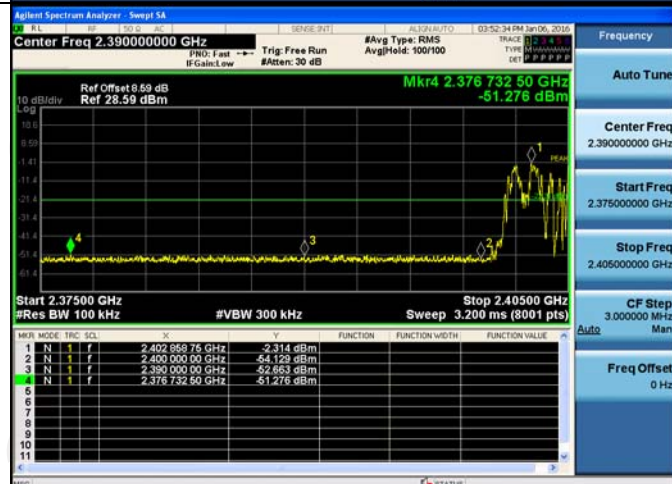
$\pi/4$ DQPSK/HCH/Hop



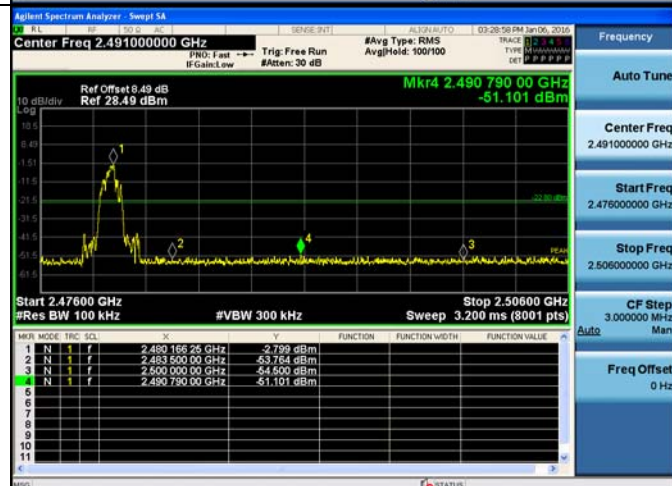
8DPSK/LCH/No Hop



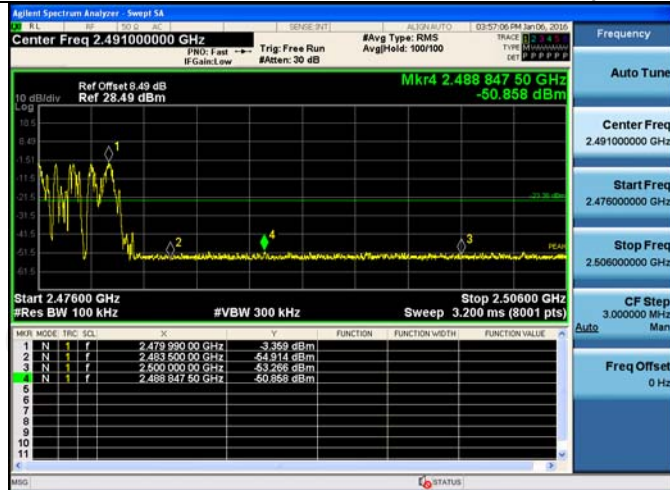
8DPSK/LCH/Hop



8DPSK/HCH/No Hop



8DPSK/HCH/Hop

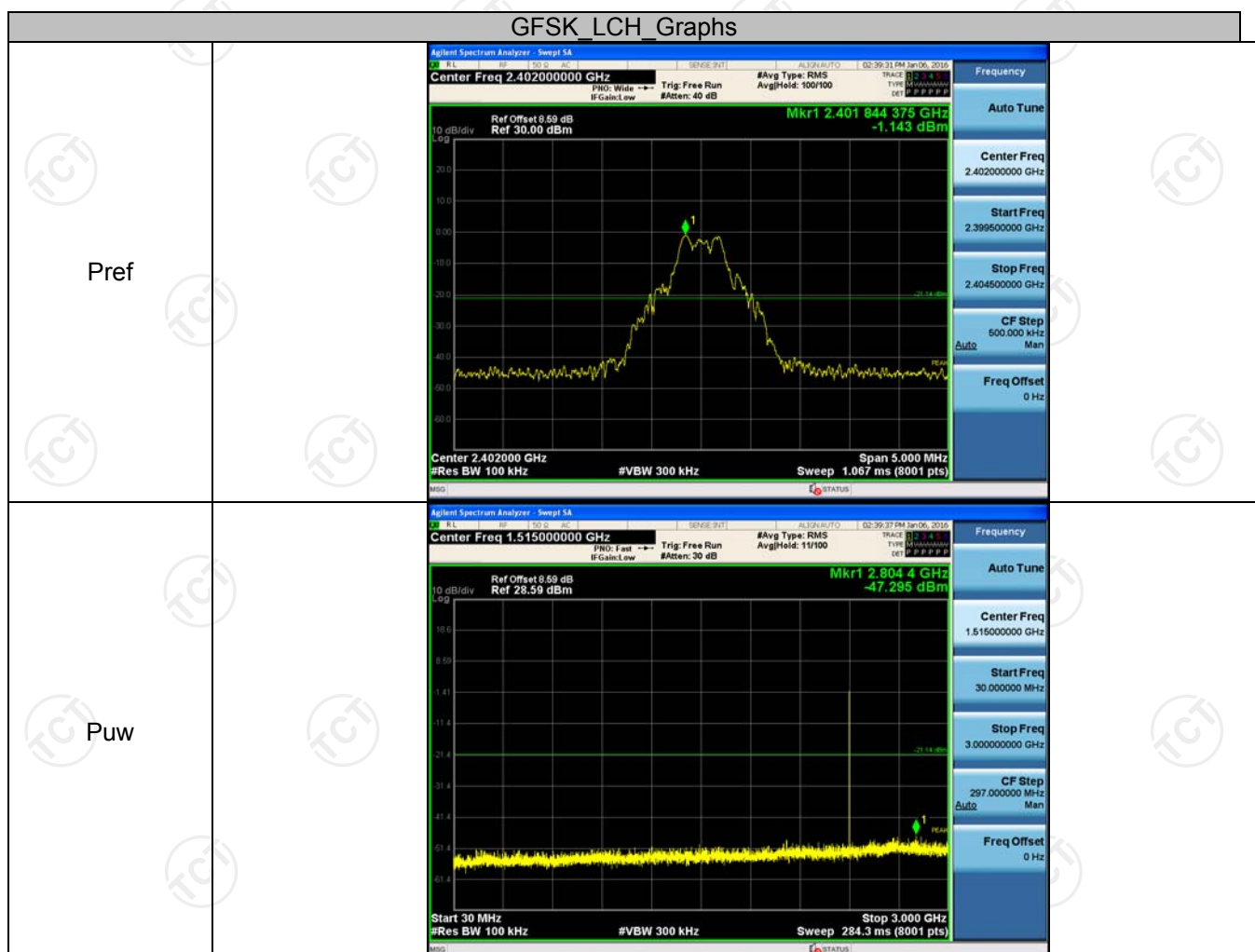


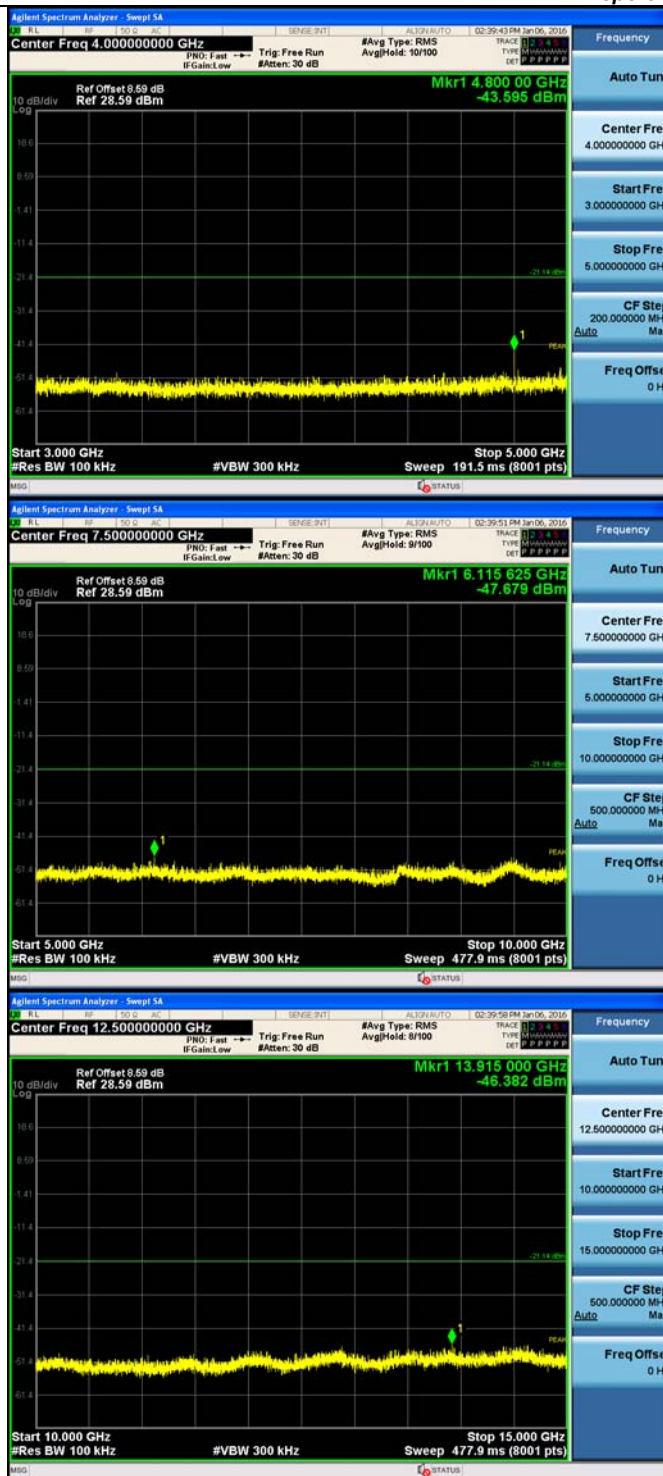
RF Conducted Spurious Emissions

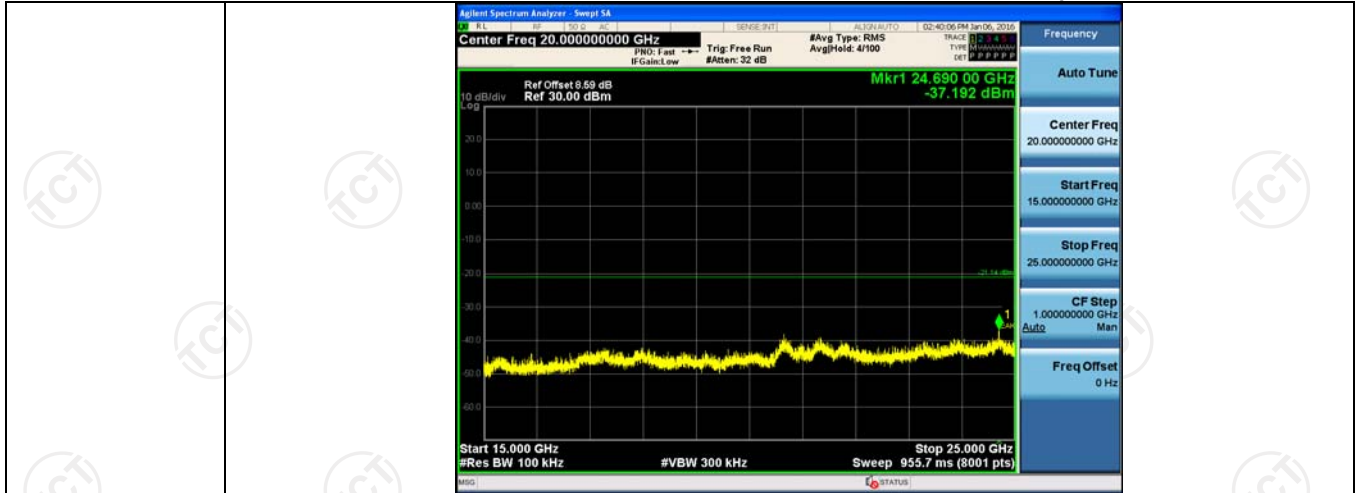
Result Table

Mode	Channel	Pref [dBm]	Puw[dBm]	Verdict
GFSK	LCH	-1.143	<Limit	PASS
GFSK	MCH	-1.075	<Limit	PASS
GFSK	HCH	-2.132	<Limit	PASS
$\pi/4$ DQPSK	LCH	-2.204	<Limit	PASS
$\pi/4$ DQPSK	MCH	-2.396	<Limit	PASS
$\pi/4$ DQPSK	HCH	-3.082	<Limit	PASS
8DPSK	LCH	-2.014	<Limit	PASS
8DPSK	MCH	-2.384	<Limit	PASS
8DPSK	HCH	-2.948	<Limit	PASS

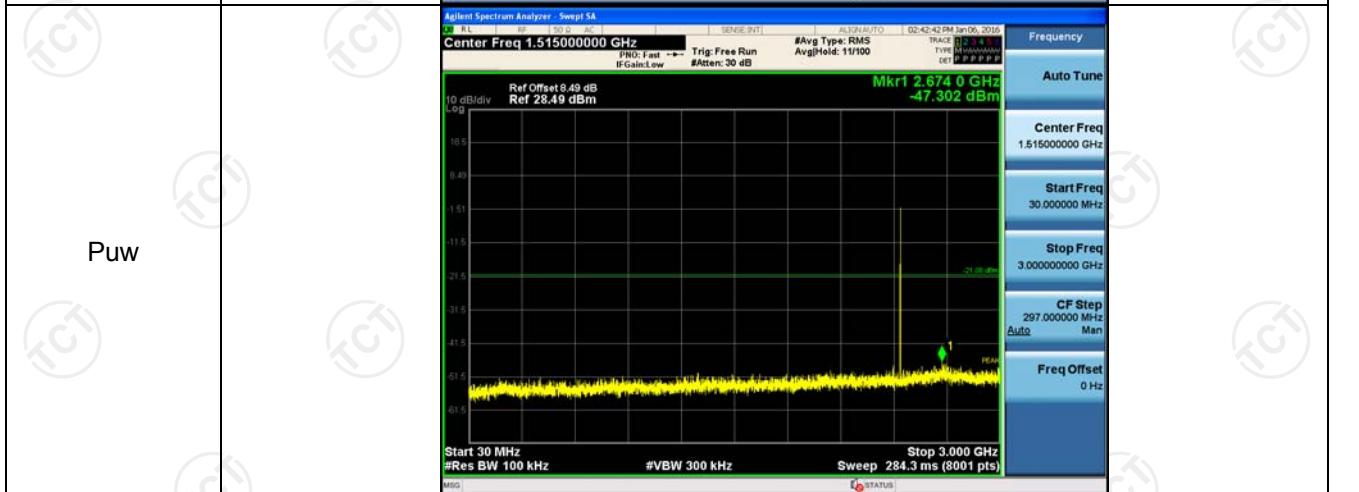
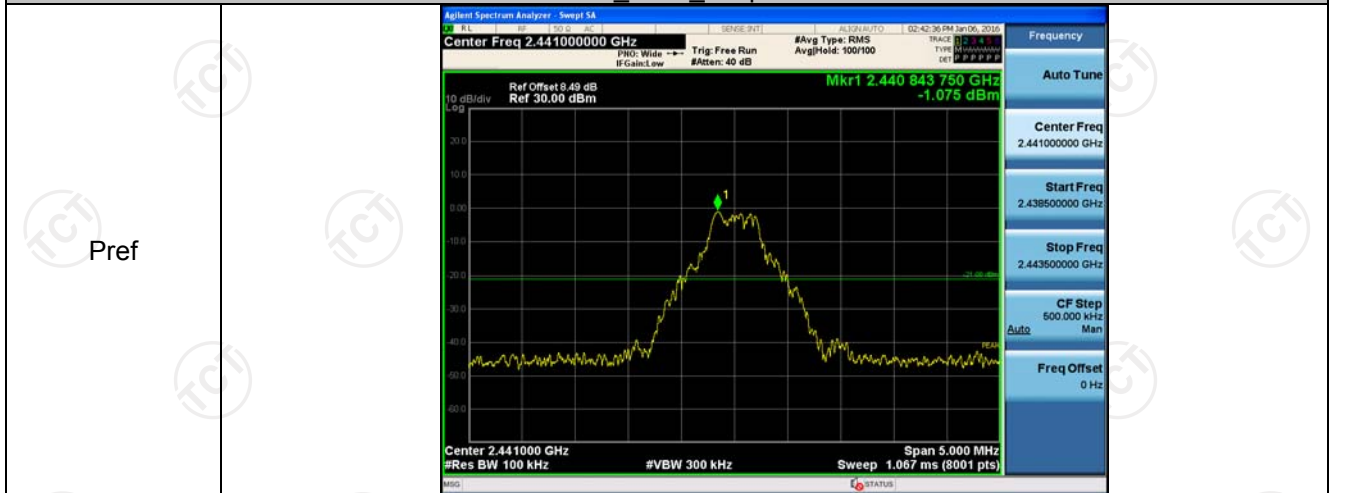
Test Graph

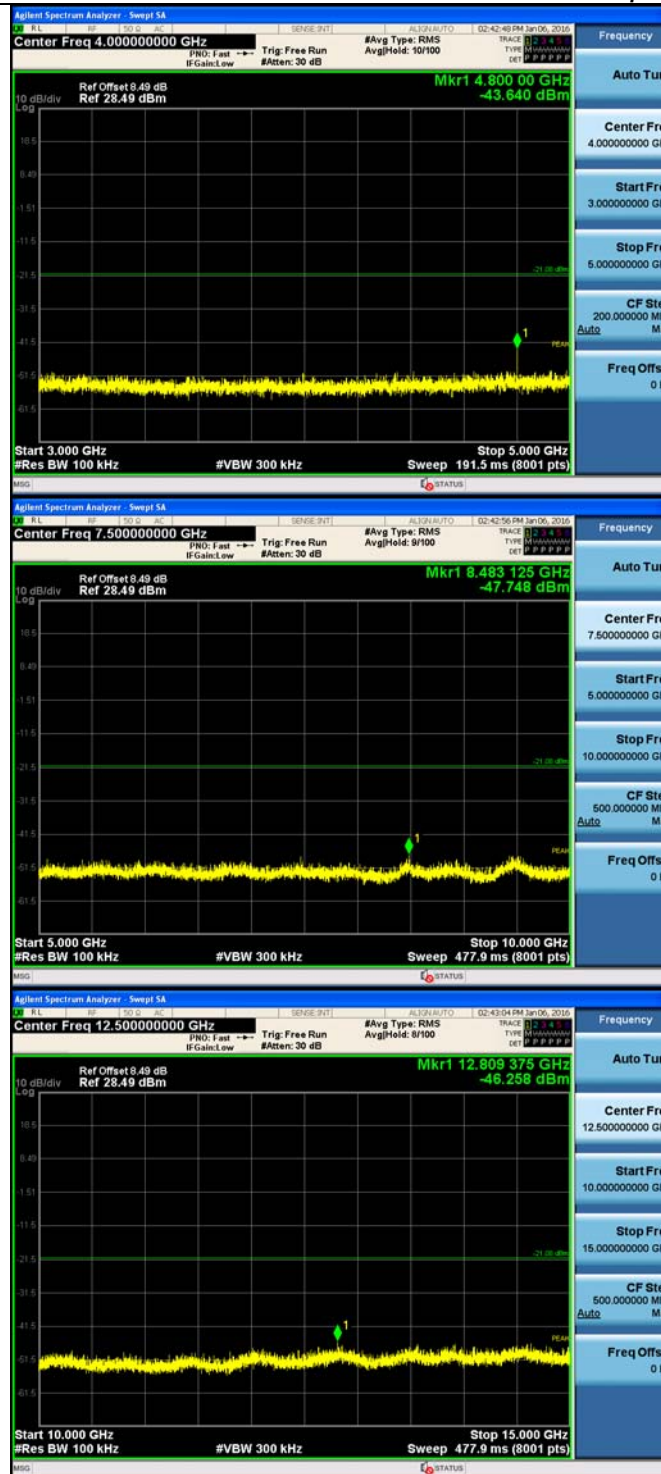


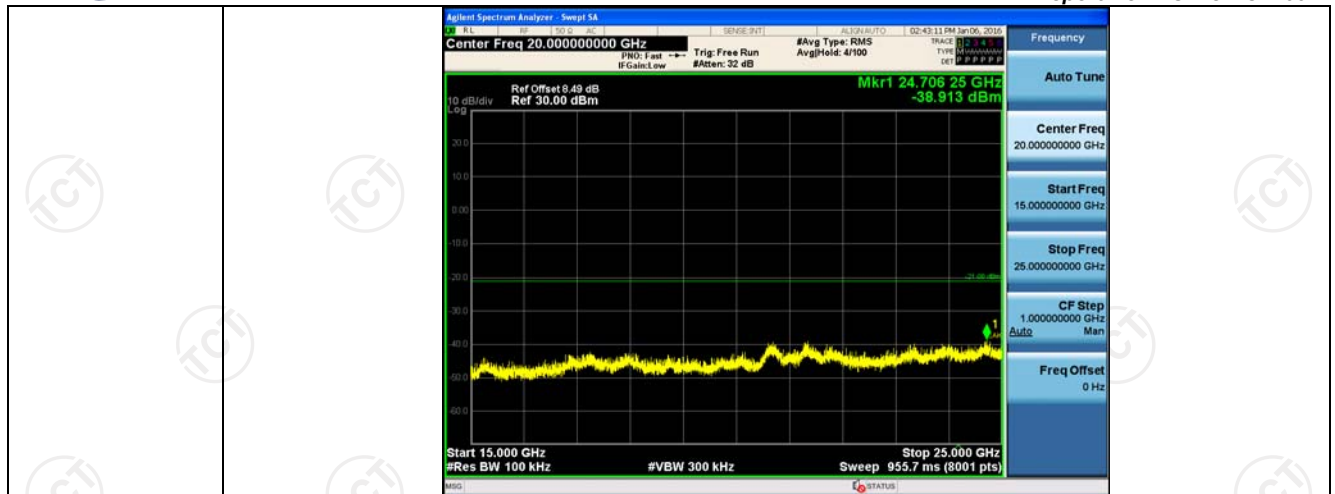




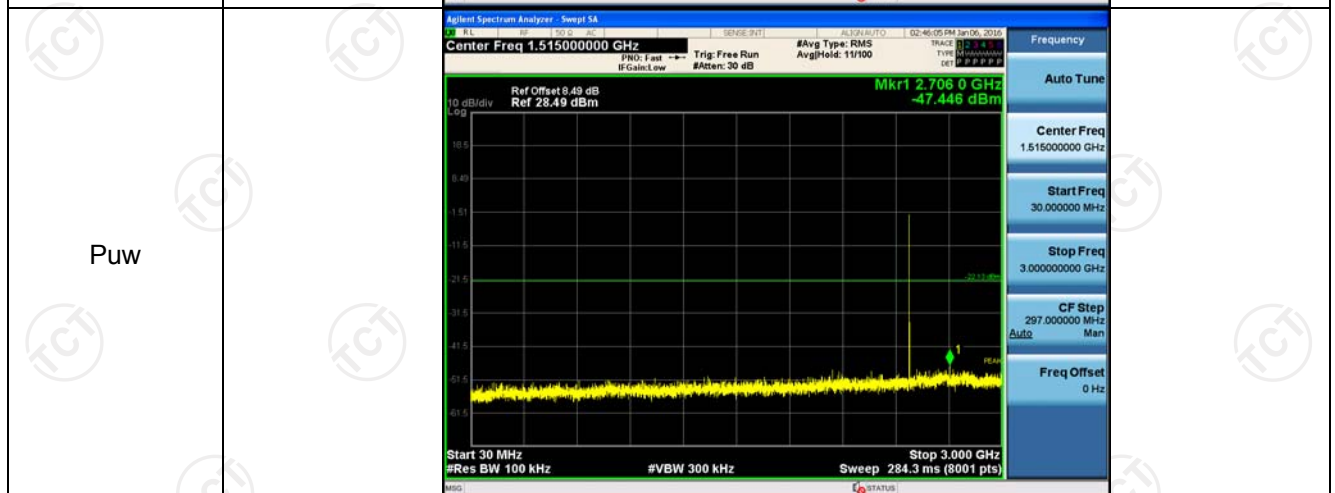
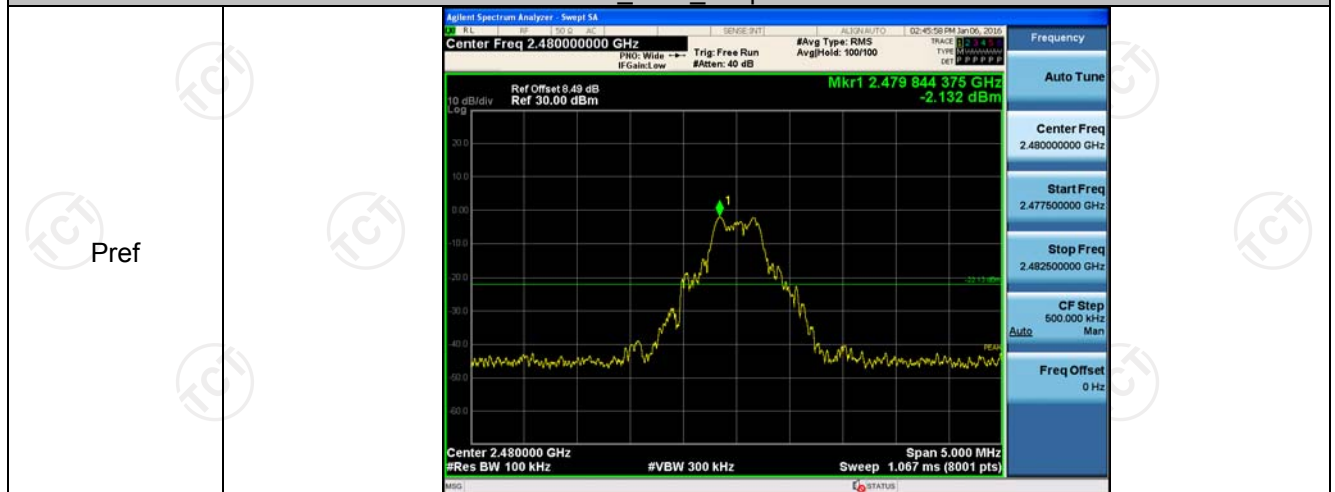
GFSK MCH_Graphs

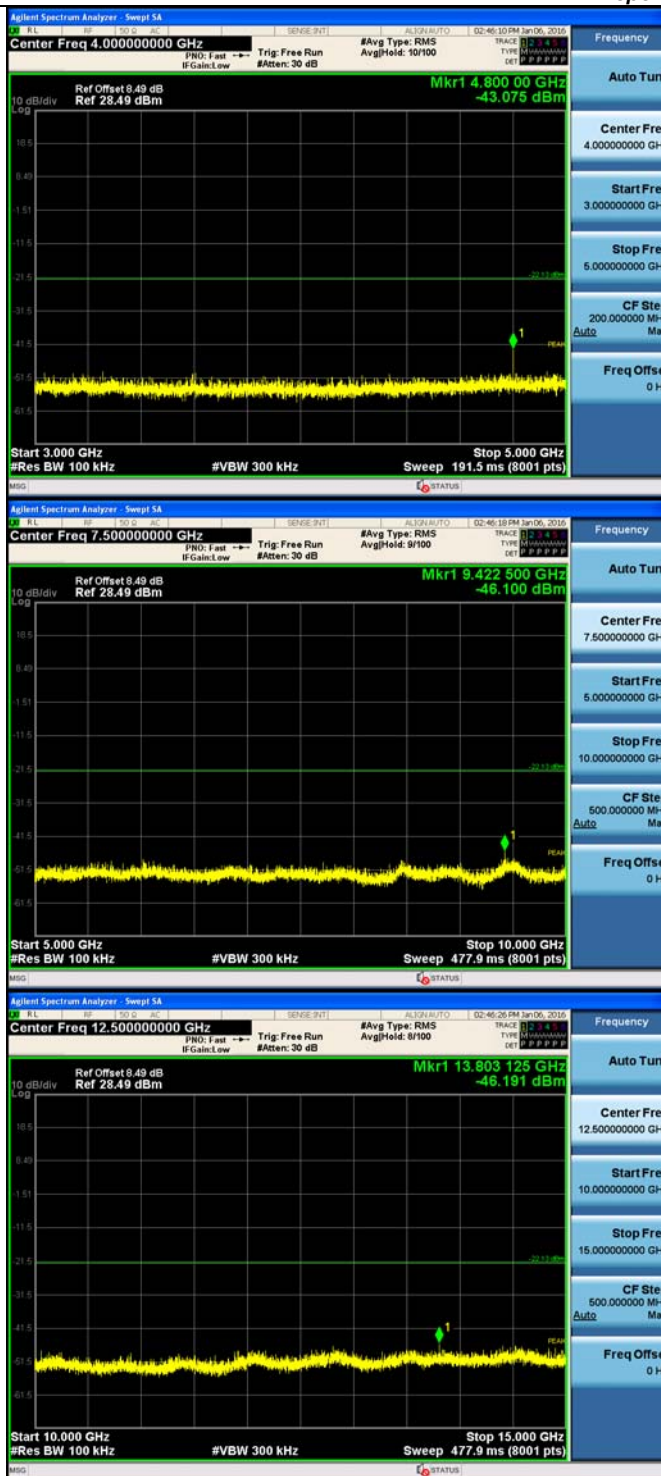


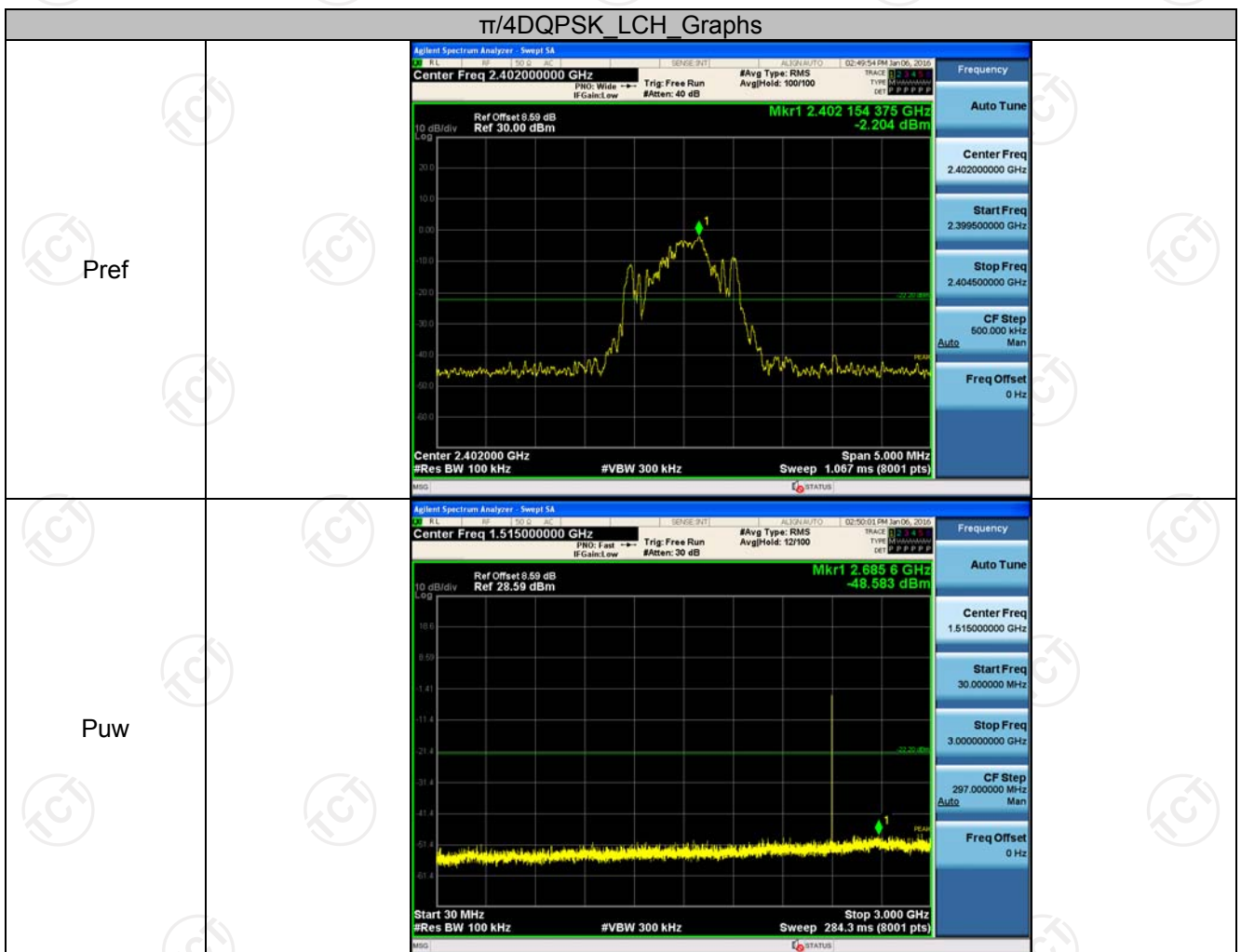
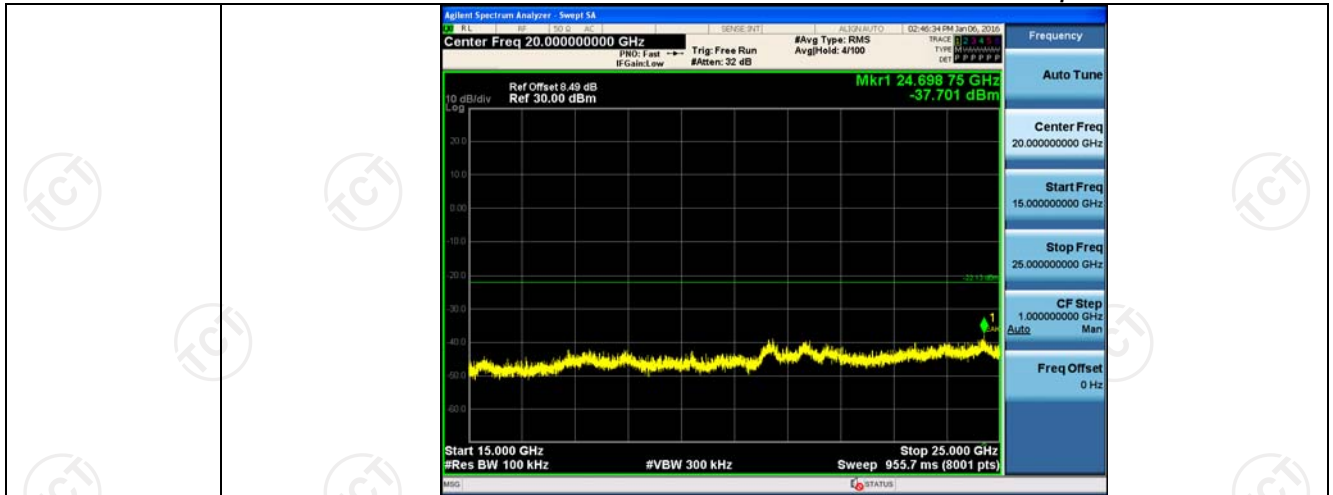


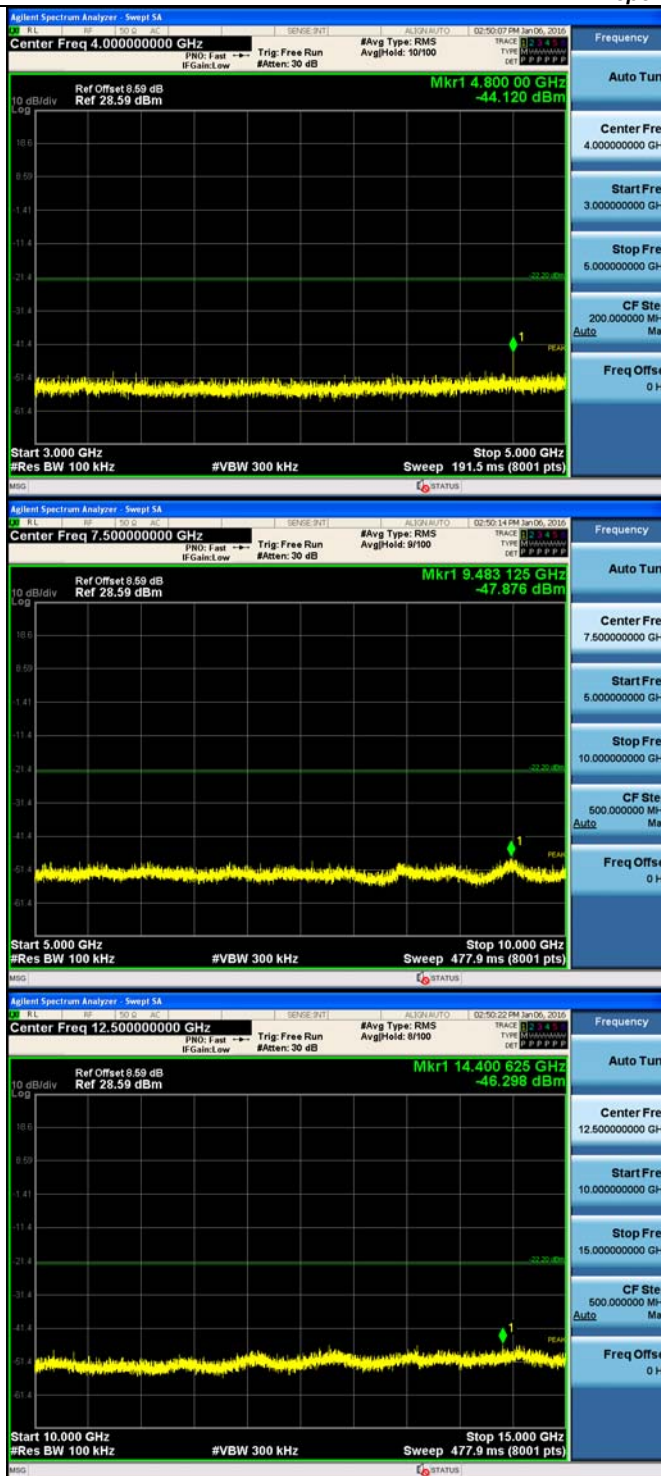


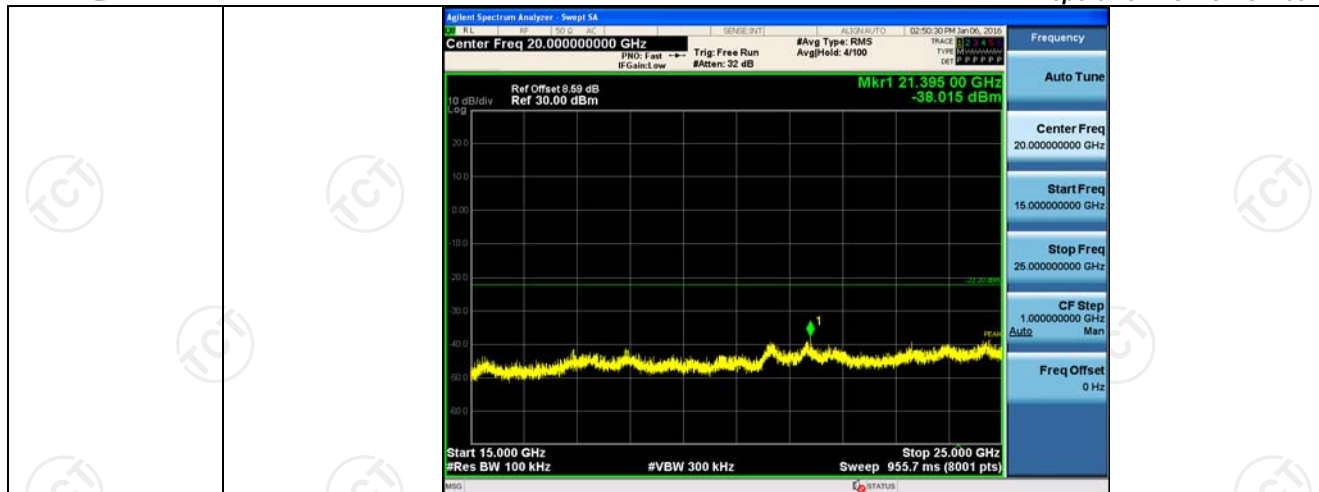
GFSK HCH_Graphs



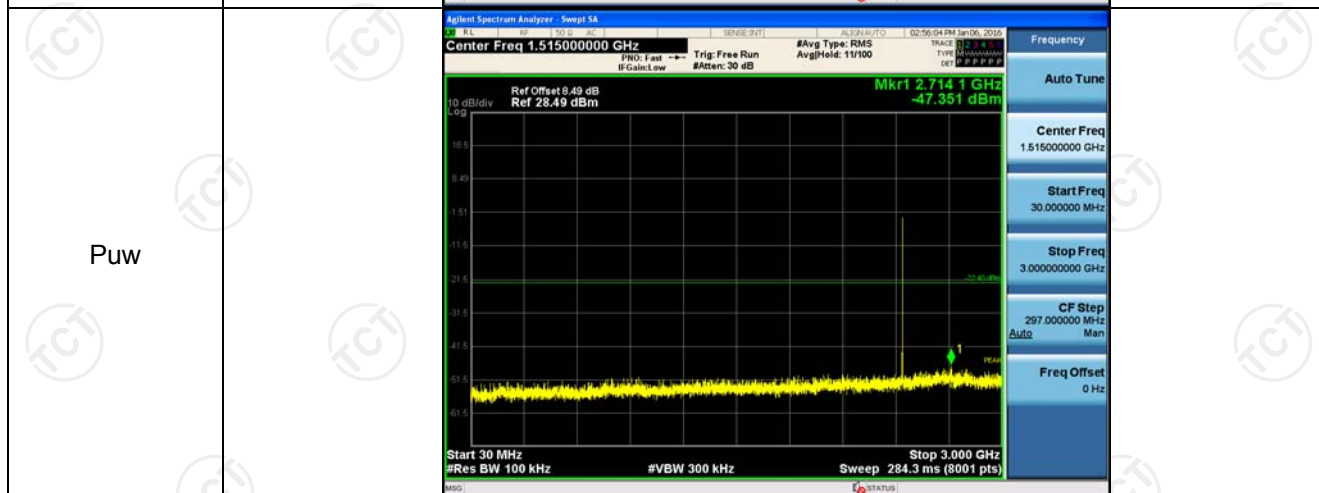


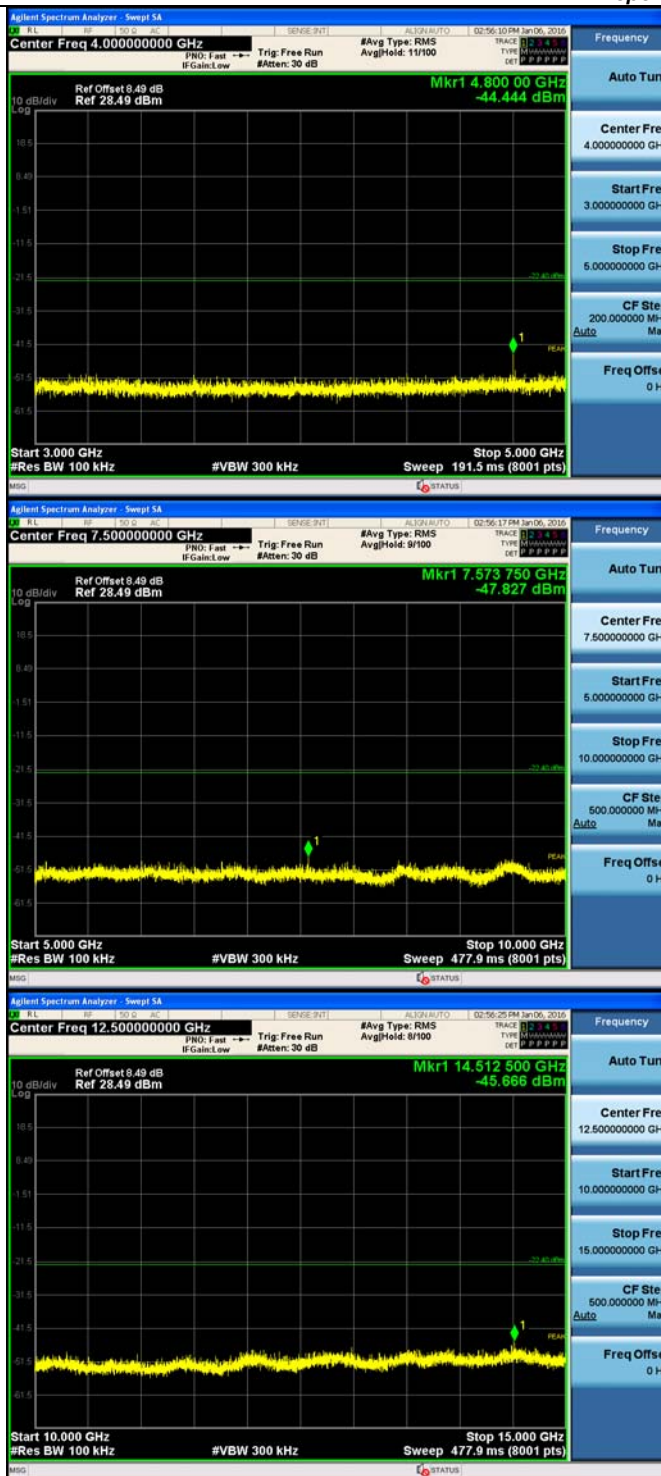


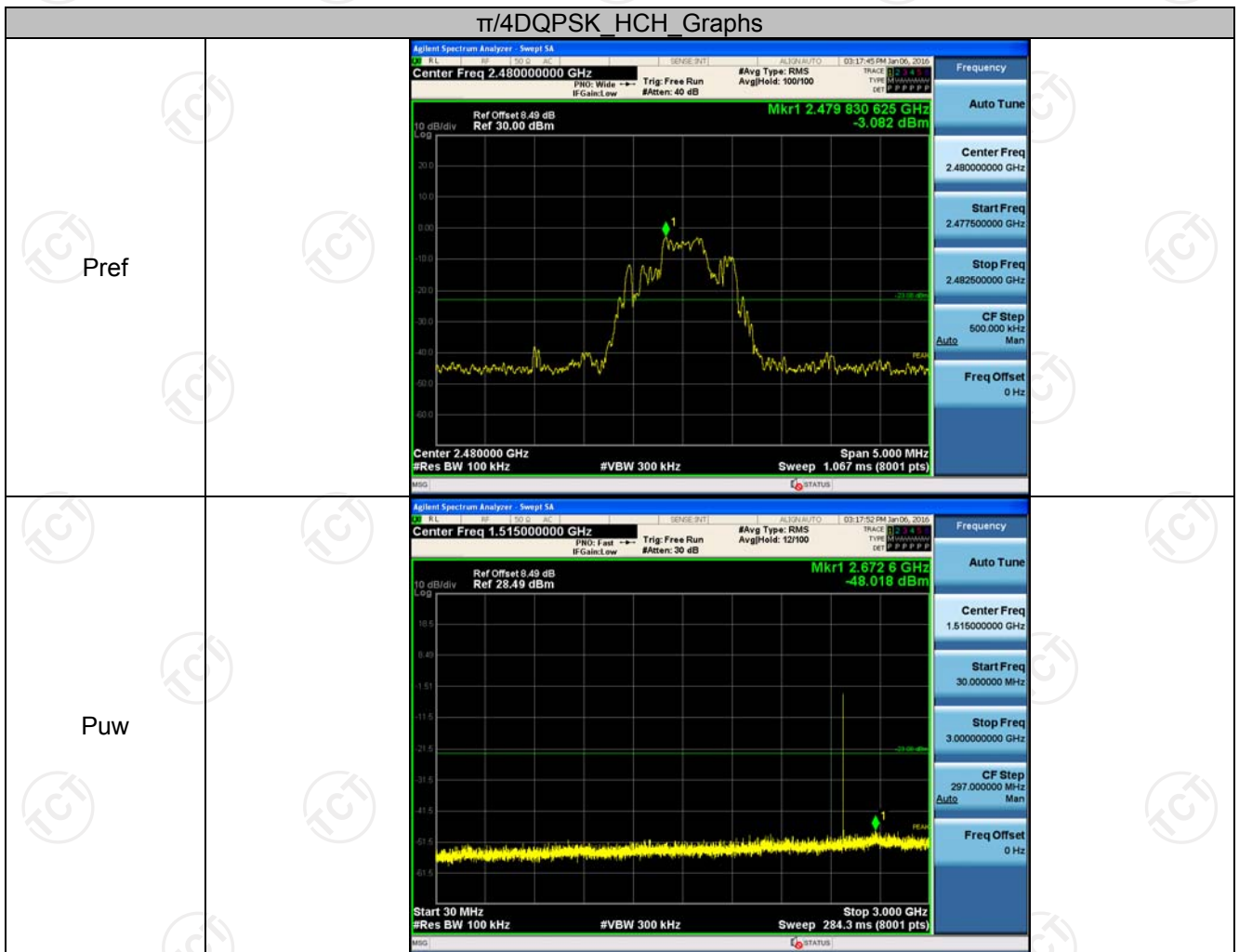
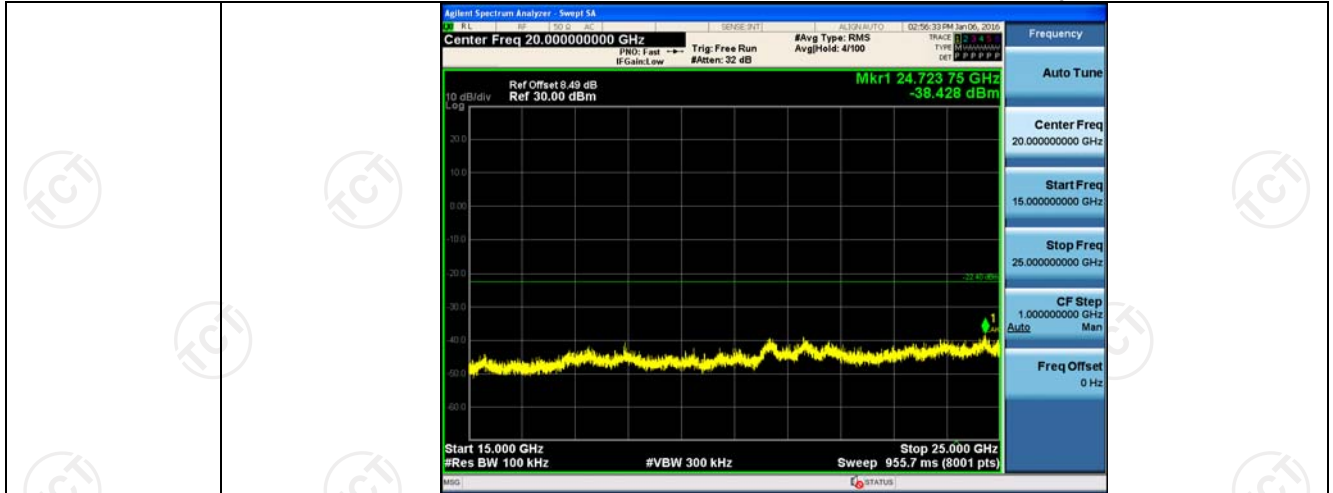


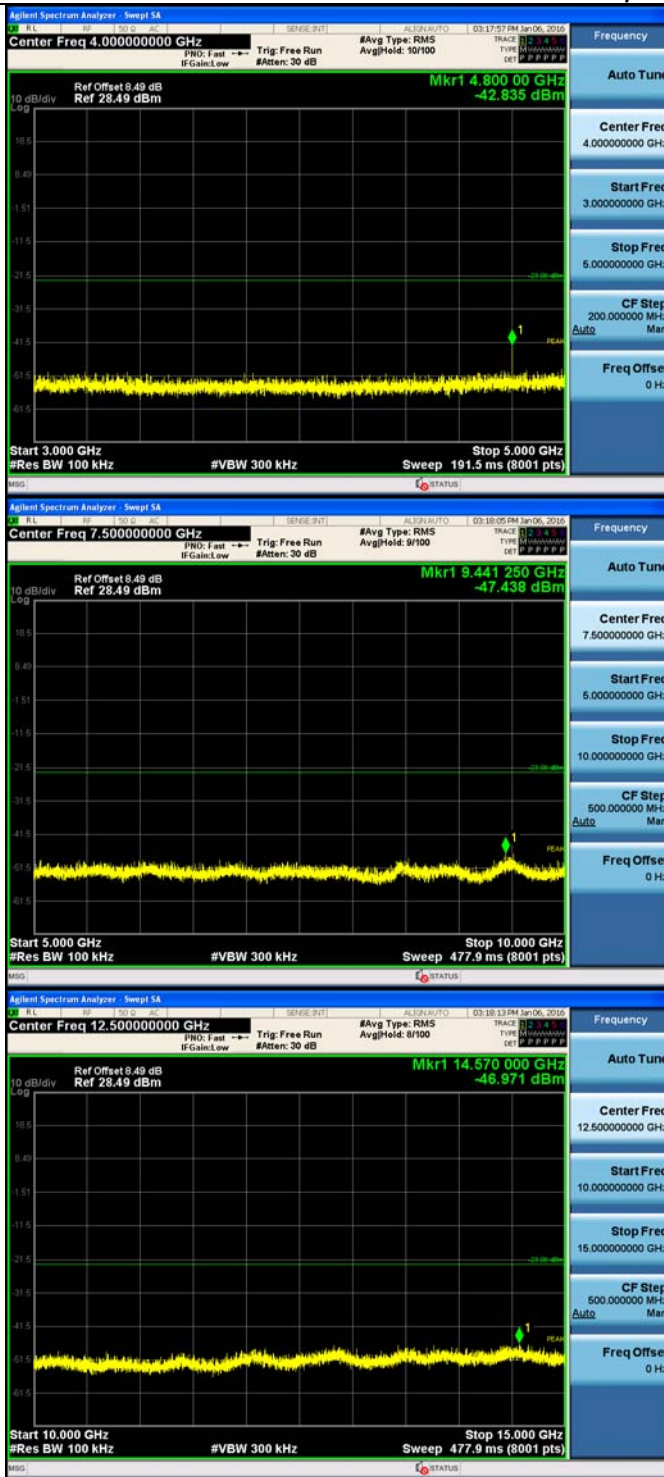


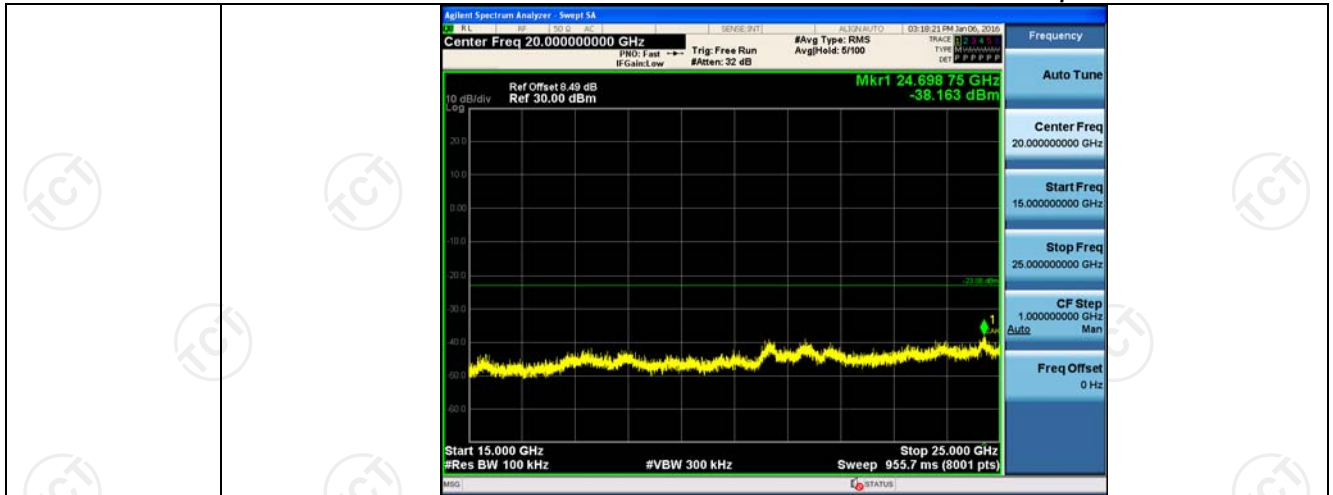
$\pi/4$ DQPSK_MCH_Graphs



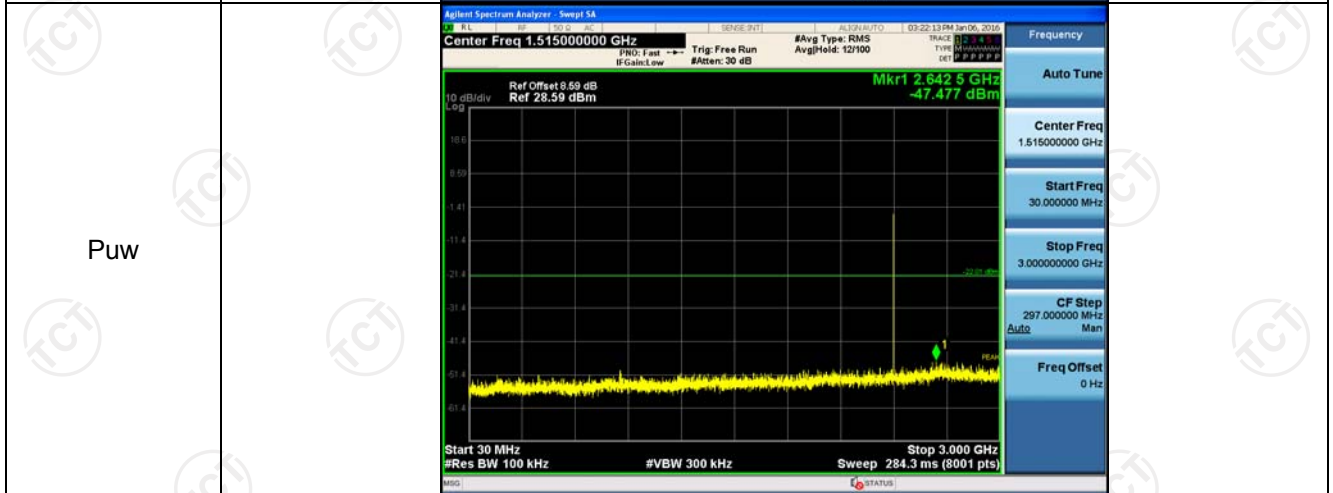


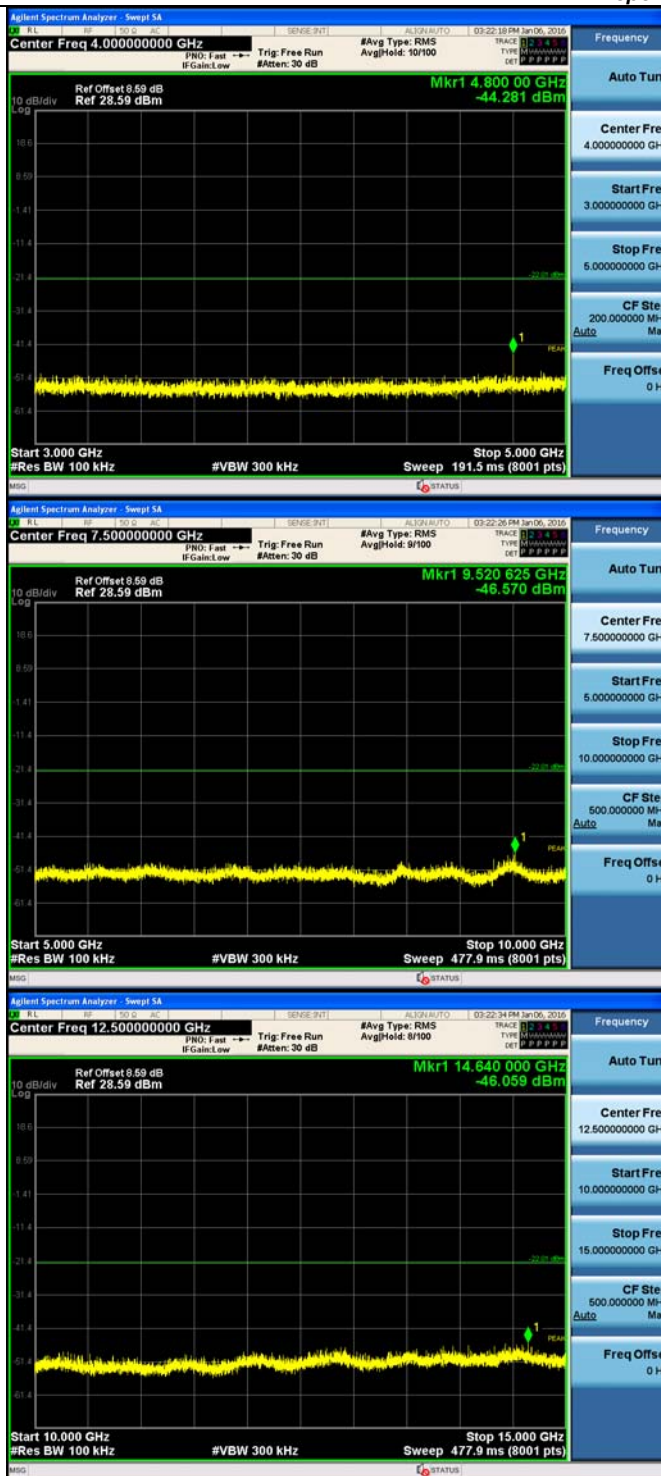


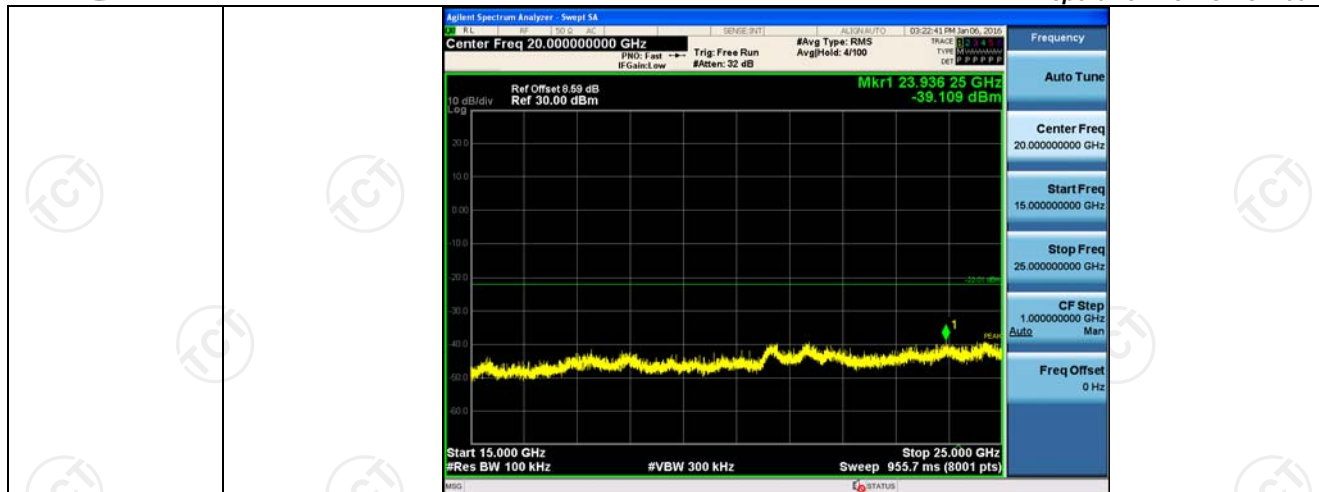




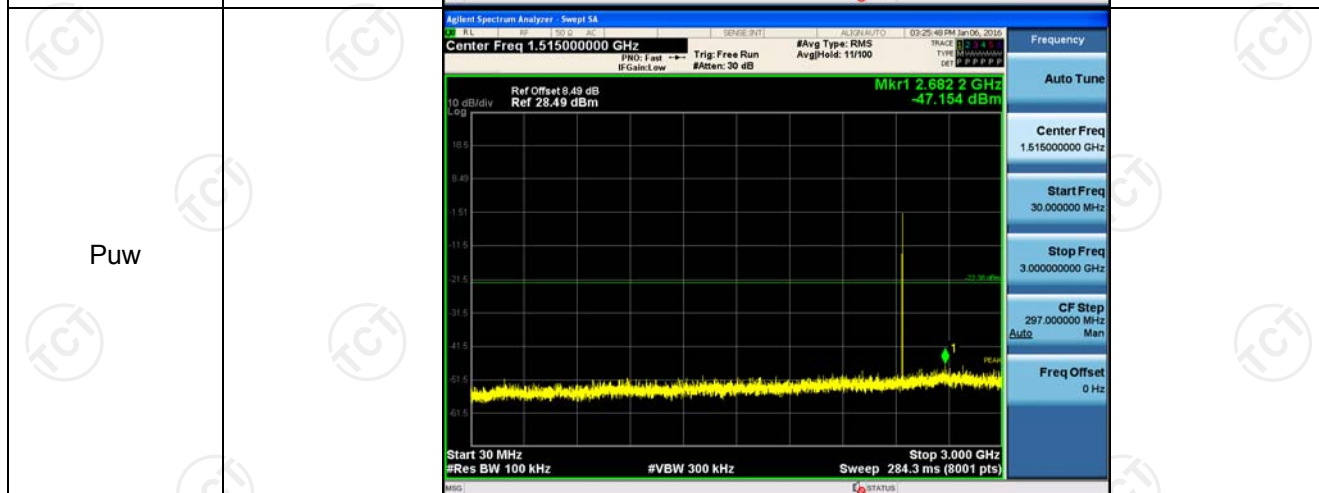
8DPSK_LCH_Graphs

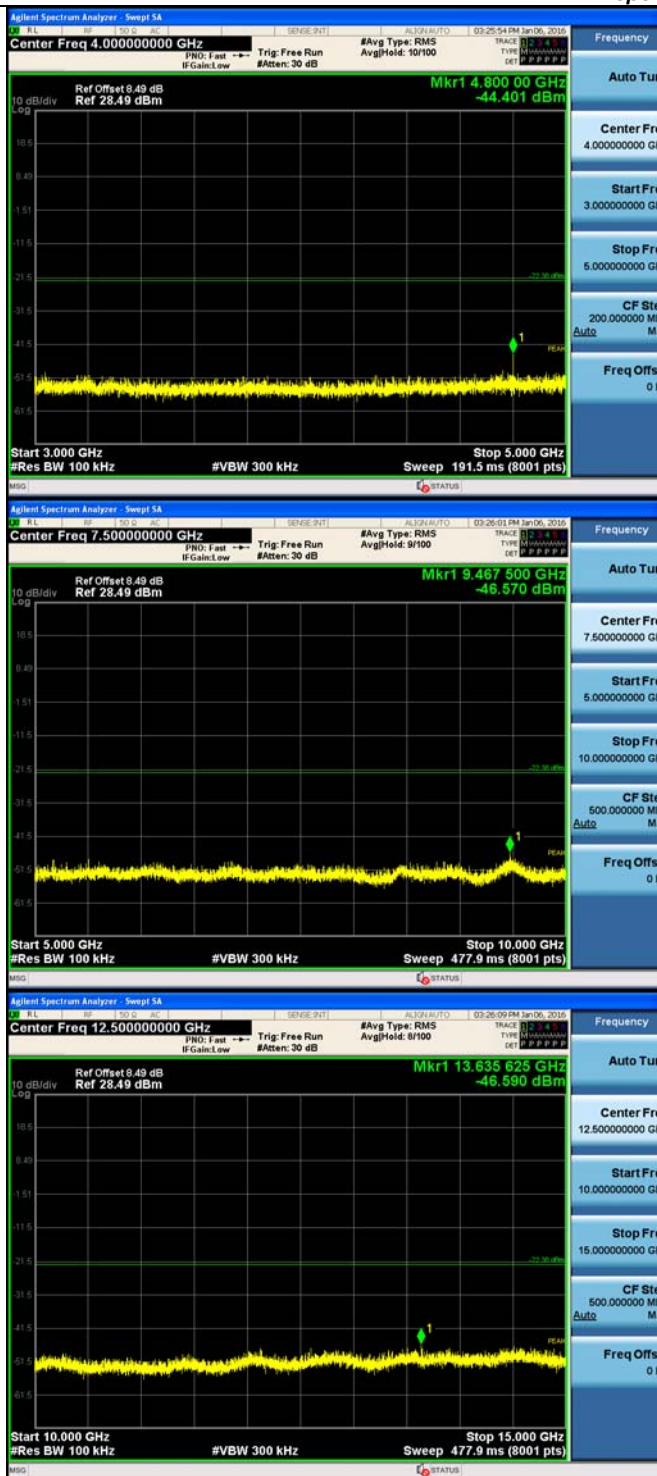


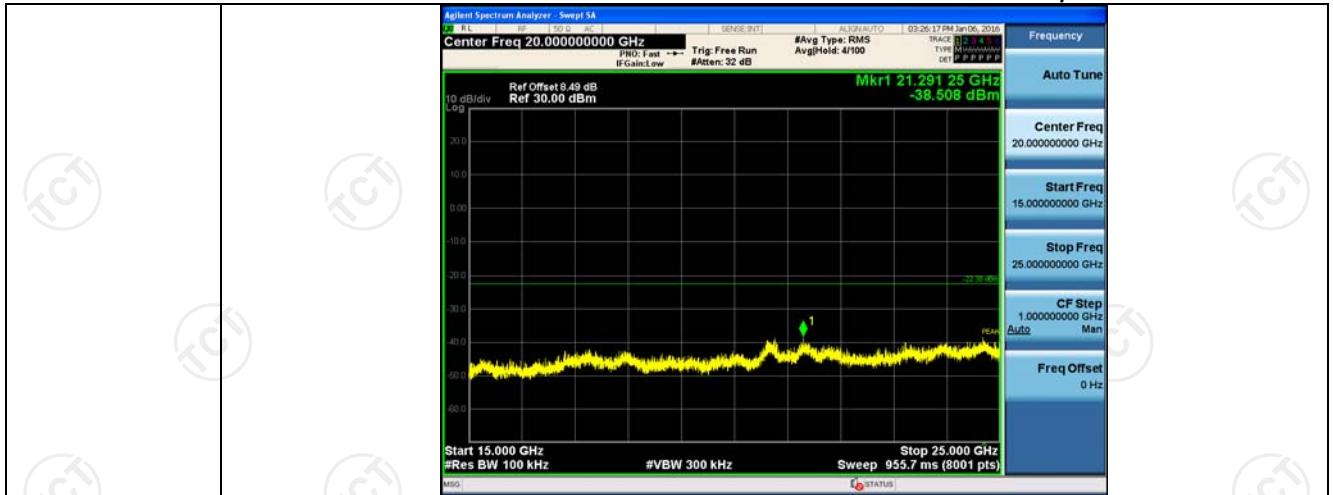




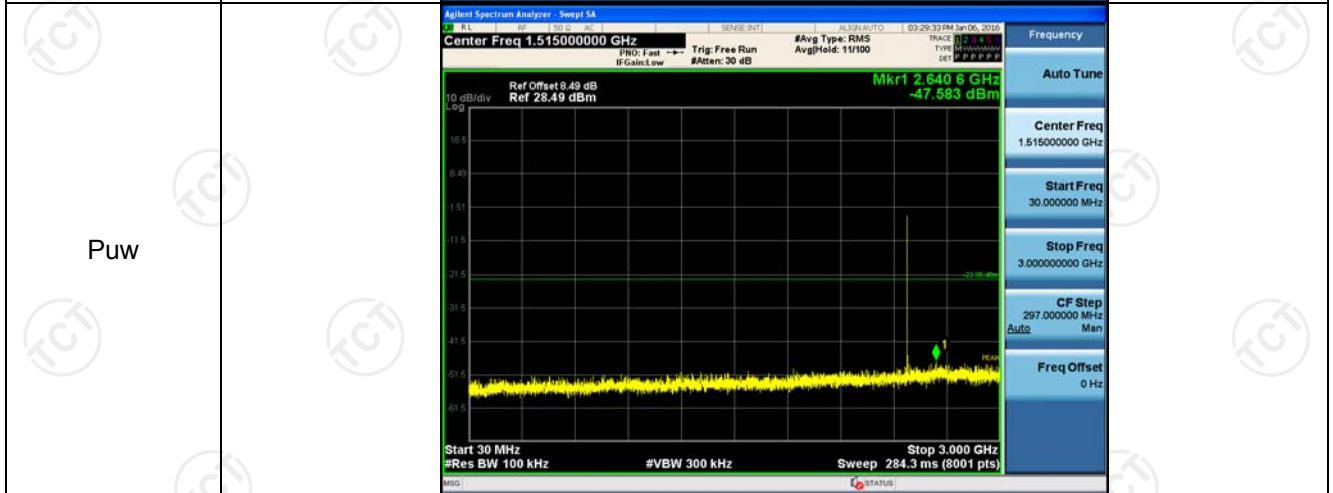
8DPSK_MCH_Graphs

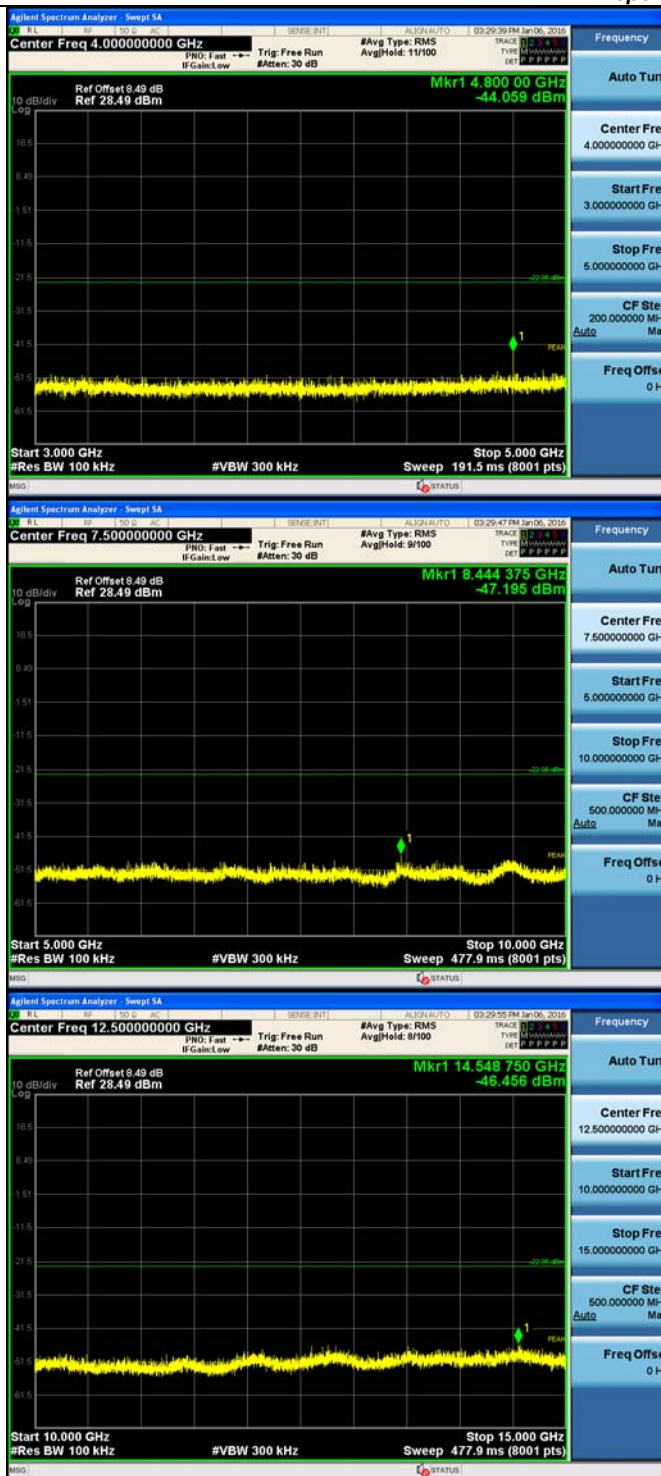


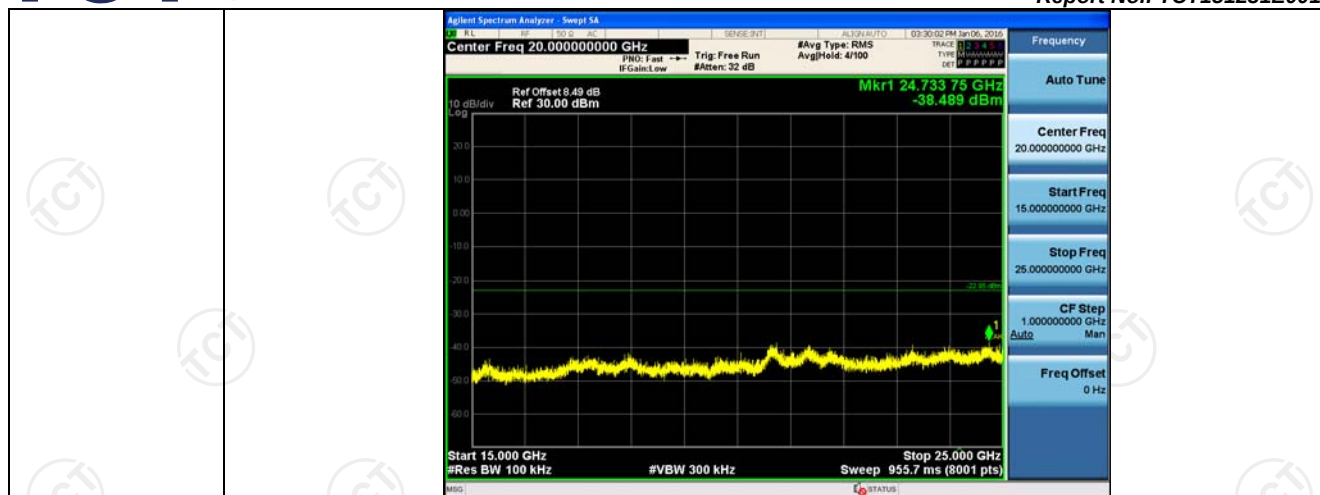




8DPSK_HCH Graphs







*****END OF REPORT*****