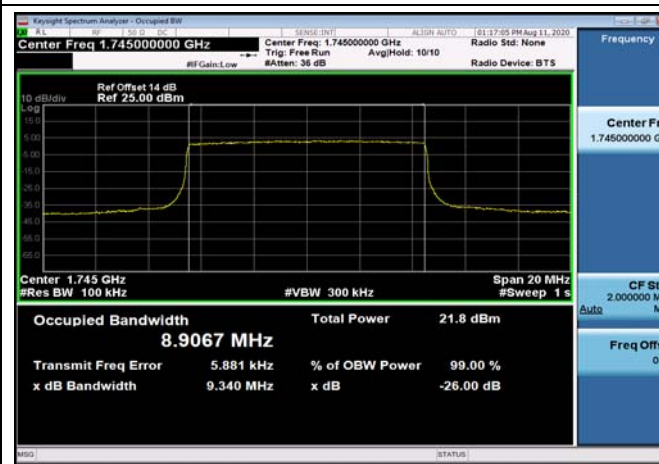
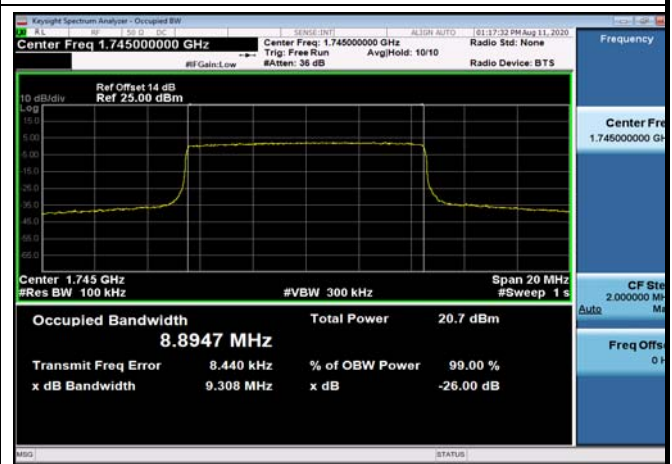




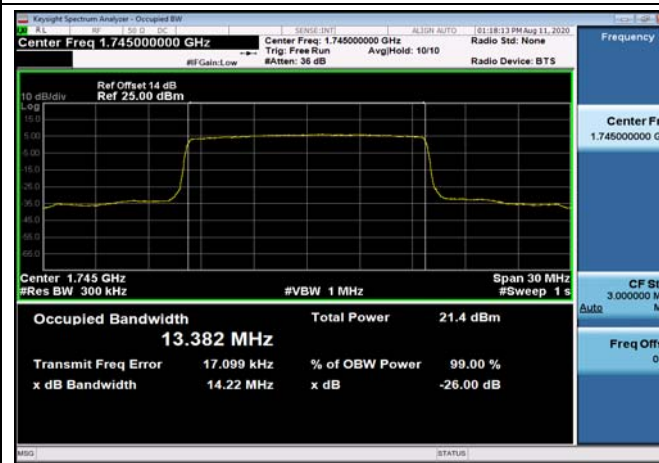
FDD66\_MidRange\_10MHz\_1745MHz\_QPSK



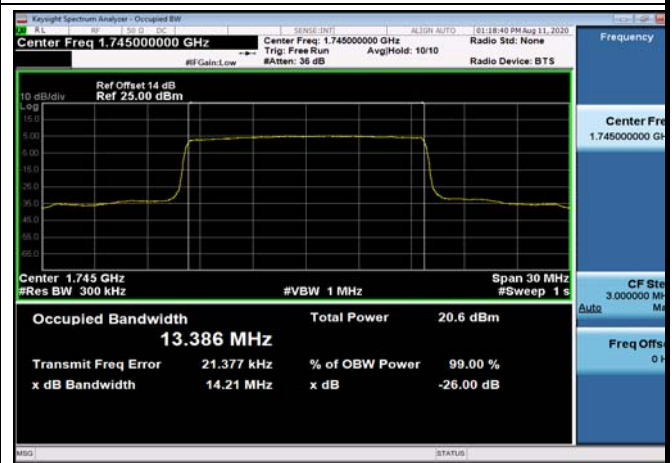
FDD66\_MidRange\_10MHz\_1745MHz\_Q16



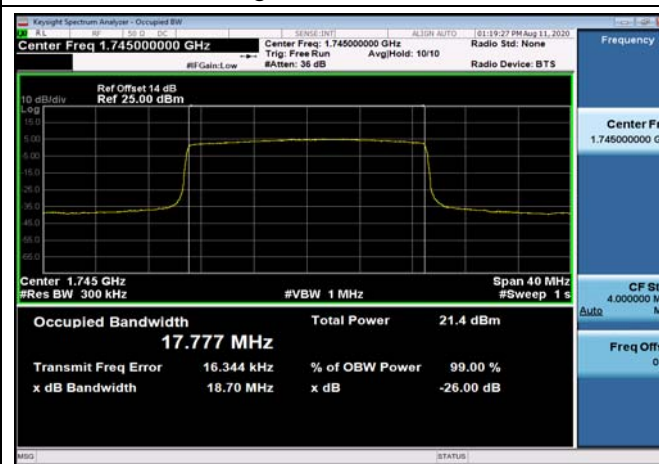
FDD66\_MidRange\_15MHz\_1745MHz\_QPSK



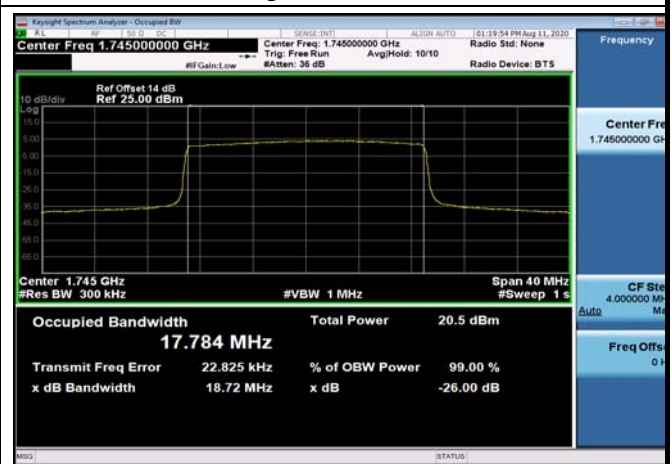
FDD66\_MidRange\_15MHz\_1745MHz\_Q16



FDD66\_MidRange\_20MHz\_1745MHz\_QPSK



FDD66\_MidRange\_20MHz\_1745MHz\_Q16



**Frequency Stability**

## Test Result and Data

Temperature	Voltage	Band	BandWidth (MHz)	RbMode	Modulation	Frequency Error (ppm)	Limit (ppm)	Result
Normal	Low	FDD02	10	fullRB	QPSK	0.005	±2.5	Pass
Normal	Normal	FDD02	10	fullRB	QPSK	0.004	±2.5	Pass
Normal	High	FDD02	10	fullRB	QPSK	0.005	±2.5	Pass
50	Normal	FDD02	10	fullRB	QPSK	0.005	±2.5	Pass
40	Normal	FDD02	10	fullRB	QPSK	0.005	±2.5	Pass
30	Normal	FDD02	10	fullRB	QPSK	0.003	±2.5	Pass
20	Normal	FDD02	10	fullRB	QPSK	0.003	±2.5	Pass
10	Normal	FDD02	10	fullRB	QPSK	0.004	±2.5	Pass
0	Normal	FDD02	10	fullRB	QPSK	0.005	±2.5	Pass
-10	Normal	FDD02	10	fullRB	QPSK	0.004	±2.5	Pass
-20	Normal	FDD02	10	fullRB	QPSK	0.004	±2.5	Pass
-30	Normal	FDD02	10	fullRB	QPSK	0.004	±2.5	Pass
Normal	Low	FDD04	10	fullRB	QPSK	0.002	±2.5	Pass
Normal	Normal	FDD04	10	fullRB	QPSK	0.003	±2.5	Pass
Normal	High	FDD04	10	fullRB	QPSK	0.002	±2.5	Pass
50	Normal	FDD04	10	fullRB	QPSK	0.004	±2.5	Pass
40	Normal	FDD04	10	fullRB	QPSK	0.003	±2.5	Pass
30	Normal	FDD04	10	fullRB	QPSK	0.002	±2.5	Pass
20	Normal	FDD04	10	fullRB	QPSK	0.004	±2.5	Pass
10	Normal	FDD04	10	fullRB	QPSK	0.004	±2.5	Pass
0	Normal	FDD04	10	fullRB	QPSK	0.004	±2.5	Pass
-10	Normal	FDD04	10	fullRB	QPSK	0.003	±2.5	Pass
-20	Normal	FDD04	10	fullRB	QPSK	0.003	±2.5	Pass
-30	Normal	FDD04	10	fullRB	QPSK	0.003	±2.5	Pass
Normal	Low	FDD05	10	fullRB	QPSK	0.003	±2.5	Pass
Normal	Normal	FDD05	10	fullRB	QPSK	0.004	±2.5	Pass
Normal	High	FDD05	10	fullRB	QPSK	0.005	±2.5	Pass



50	Normal	FDD05	10	fullRB	QPSK	0.006	±2.5	Pass
40	Normal	FDD05	10	fullRB	QPSK	0.003	±2.5	Pass
30	Normal	FDD05	10	fullRB	QPSK	0.003	±2.5	Pass
20	Normal	FDD05	10	fullRB	QPSK	0.003	±2.5	Pass
10	Normal	FDD05	10	fullRB	QPSK	0.004	±2.5	Pass
0	Normal	FDD05	10	fullRB	QPSK	0.003	±2.5	Pass
-10	Normal	FDD05	10	fullRB	QPSK	0.003	±2.5	Pass
-20	Normal	FDD05	10	fullRB	QPSK	0.005	±2.5	Pass
-30	Normal	FDD05	10	fullRB	QPSK	0.005	±2.5	Pass
Normal	Low	FDD12	10	fullRB	QPSK	0.004	±2.5	Pass
Normal	Normal	FDD12	10	fullRB	QPSK	0.005	±2.5	Pass
Normal	High	FDD12	10	fullRB	QPSK	0.004	±2.5	Pass
50	Normal	FDD12	10	fullRB	QPSK	0.002	±2.5	Pass
40	Normal	FDD12	10	fullRB	QPSK	0.004	±2.5	Pass
30	Normal	FDD12	10	fullRB	QPSK	0.002	±2.5	Pass
20	Normal	FDD12	10	fullRB	QPSK	0.006	±2.5	Pass
10	Normal	FDD12	10	fullRB	QPSK	0.003	±2.5	Pass
0	Normal	FDD12	10	fullRB	QPSK	0.004	±2.5	Pass
-10	Normal	FDD12	10	fullRB	QPSK	0.003	±2.5	Pass
-20	Normal	FDD12	10	fullRB	QPSK	0.004	±2.5	Pass
-30	Normal	FDD12	10	fullRB	QPSK	0.003	±2.5	Pass
Normal	Low	FDD66	10	fullRB	QPSK	0.004	±2.5	Pass
Normal	Normal	FDD66	10	fullRB	QPSK	0.004	±2.5	Pass
Normal	High	FDD66	10	fullRB	QPSK	0.003	±2.5	Pass
50	Normal	FDD66	10	fullRB	QPSK	0.005	±2.5	Pass
40	Normal	FDD66	10	fullRB	QPSK	0.004	±2.5	Pass
30	Normal	FDD66	10	fullRB	QPSK	0.004	±2.5	Pass
20	Normal	FDD66	10	fullRB	QPSK	0.005	±2.5	Pass
10	Normal	FDD66	10	fullRB	QPSK	0.004	±2.5	Pass
0	Normal	FDD66	10	fullRB	QPSK	0.004	±2.5	Pass
-10	Normal	FDD66	10	fullRB	QPSK	0.004	±2.5	Pass
-20	Normal	FDD66	10	fullRB	QPSK	0.003	±2.5	Pass



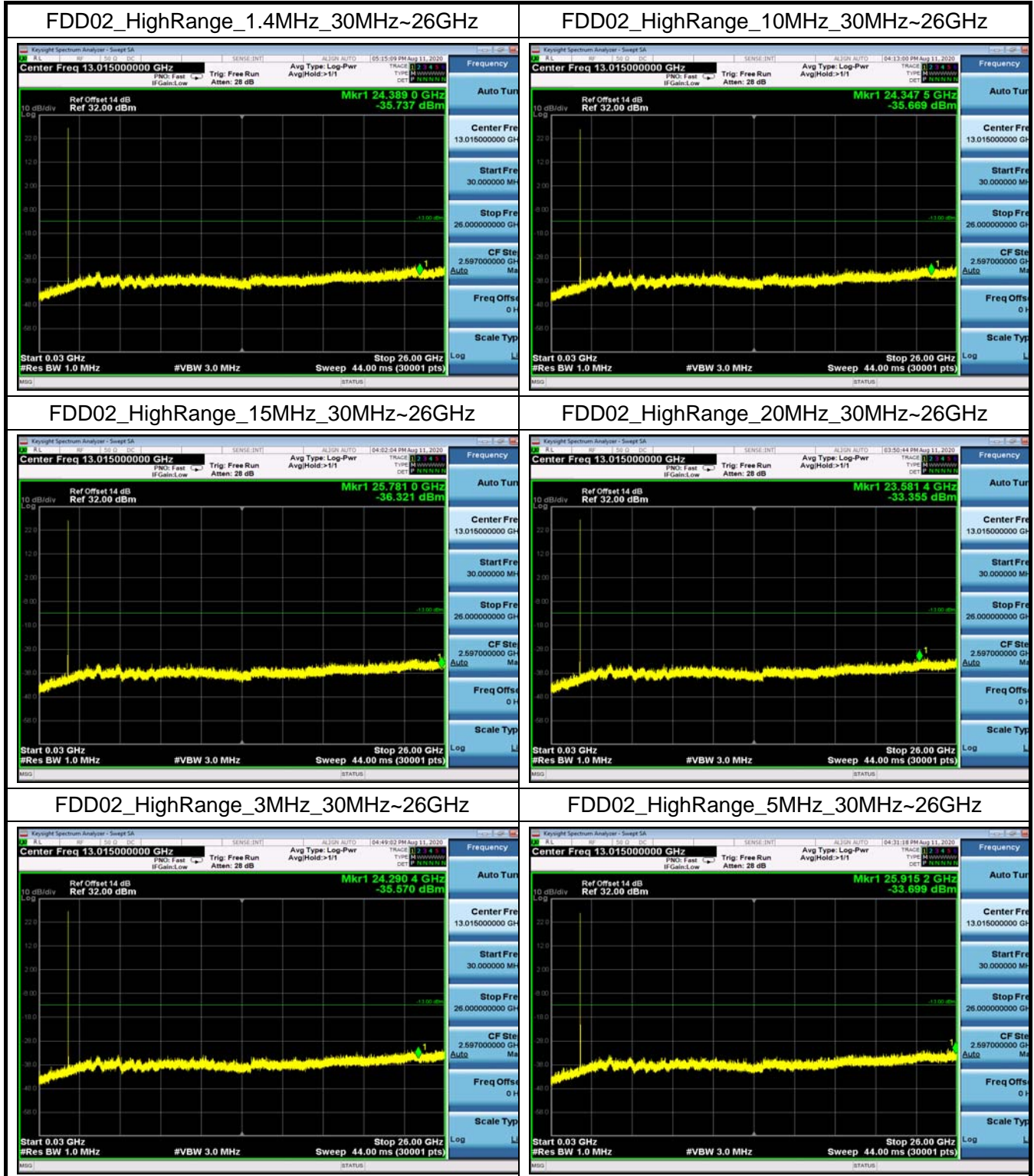
-30	Normal	FDD66	10	fullRB	QPSK	0.004	±2.5	Pass
Normal	Low	FDD13	10	fullRB	QPSK	0.005	±2.5	Pass
Normal	Normal	FDD13	10	fullRB	QPSK	0.005	±2.5	Pass
Normal	High	FDD13	10	fullRB	QPSK	0.005	±2.5	Pass
50	Normal	FDD13	10	fullRB	QPSK	0.004	±2.5	Pass
40	Normal	FDD13	10	fullRB	QPSK	0.005	±2.5	Pass
30	Normal	FDD13	10	fullRB	QPSK	0.005	±2.5	Pass
20	Normal	FDD13	10	fullRB	QPSK	0.005	±2.5	Pass
10	Normal	FDD13	10	fullRB	QPSK	0.003	±2.5	Pass
0	Normal	FDD13	10	fullRB	QPSK	0.003	±2.5	Pass
-10	Normal	FDD13	10	fullRB	QPSK	0.004	±2.5	Pass
-20	Normal	FDD13	10	fullRB	QPSK	0.005	±2.5	Pass
-30	Normal	FDD13	10	fullRB	QPSK	0.004	±2.5	Pass
Normal	Low	FDD14	10	fullRB	QPSK	0.004	±2.5	Pass
Normal	Normal	FDD14	10	fullRB	QPSK	0.004	±2.5	Pass
Normal	High	FDD14	10	fullRB	QPSK	0.002	±2.5	Pass
50	Normal	FDD14	10	fullRB	QPSK	0.003	±2.5	Pass
40	Normal	FDD14	10	fullRB	QPSK	0.002	±2.5	Pass
30	Normal	FDD14	10	fullRB	QPSK	0.004	±2.5	Pass
20	Normal	FDD14	10	fullRB	QPSK	0.003	±2.5	Pass
10	Normal	FDD14	10	fullRB	QPSK	0.002	±2.5	Pass
0	Normal	FDD14	10	fullRB	QPSK	0.004	±2.5	Pass
-10	Normal	FDD14	10	fullRB	QPSK	0.004	±2.5	Pass
-20	Normal	FDD14	10	fullRB	QPSK	0.004	±2.5	Pass
-30	Normal	FDD14	10	fullRB	QPSK	0.003	±2.5	Pass

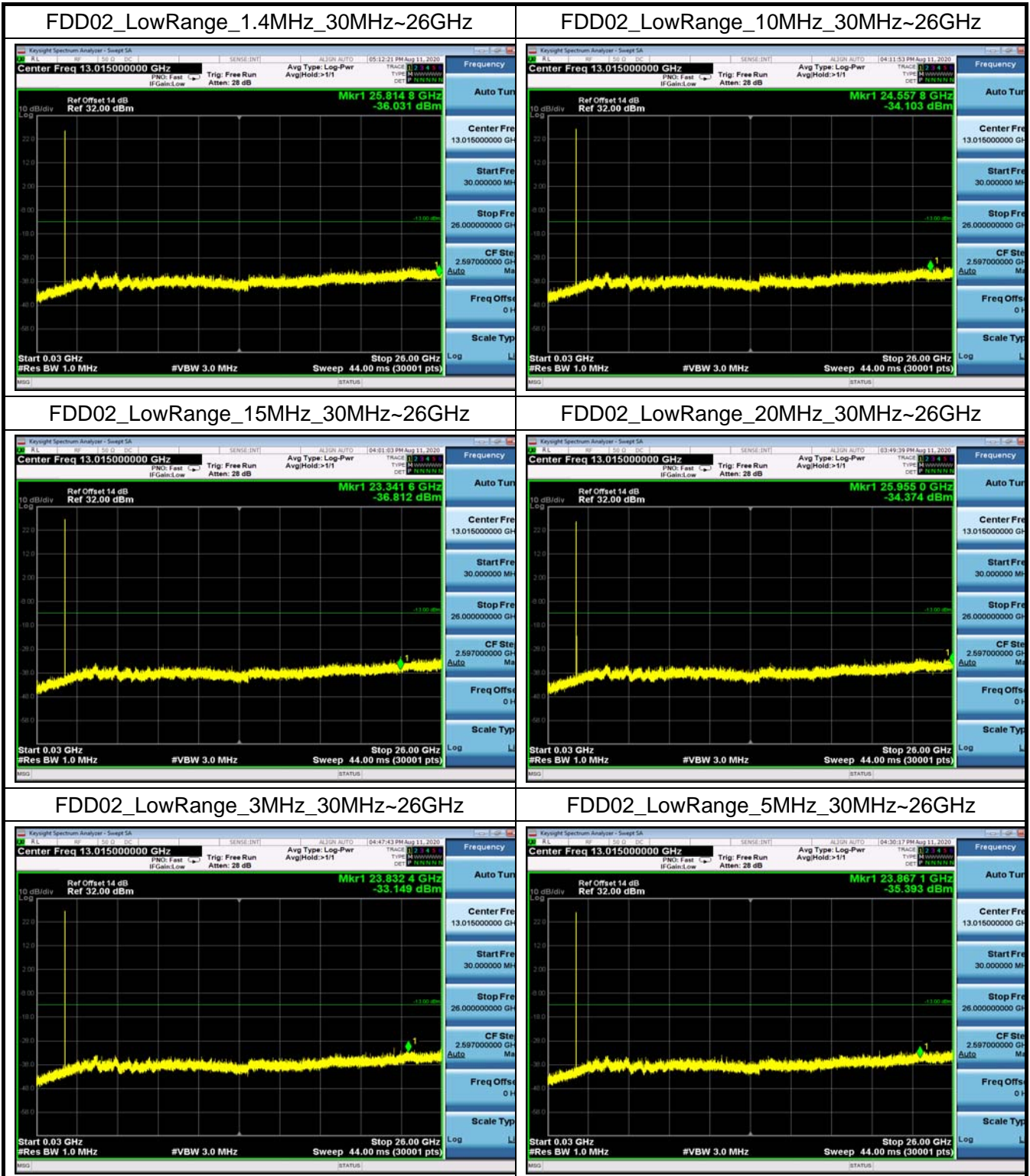
Note: Normal=12V, Low=9V, High=36V



# Conducted Out of Band Emissions

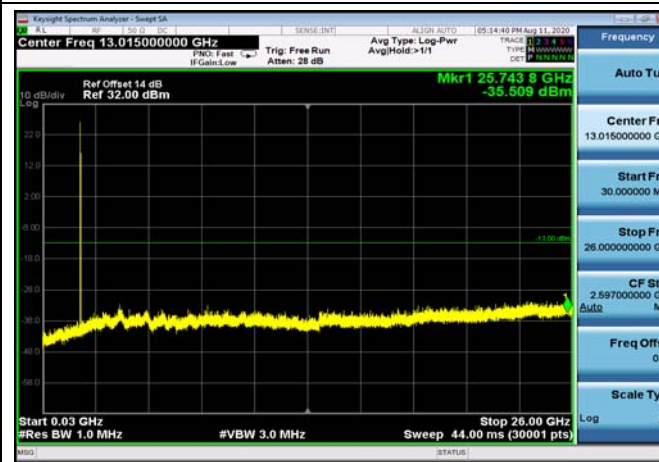
## Test Result and Data



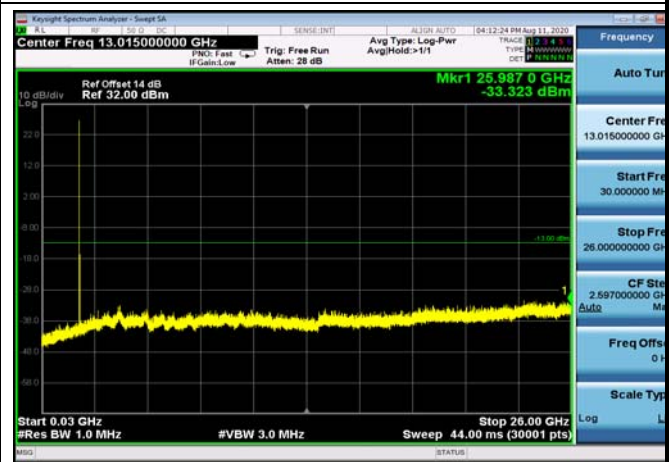




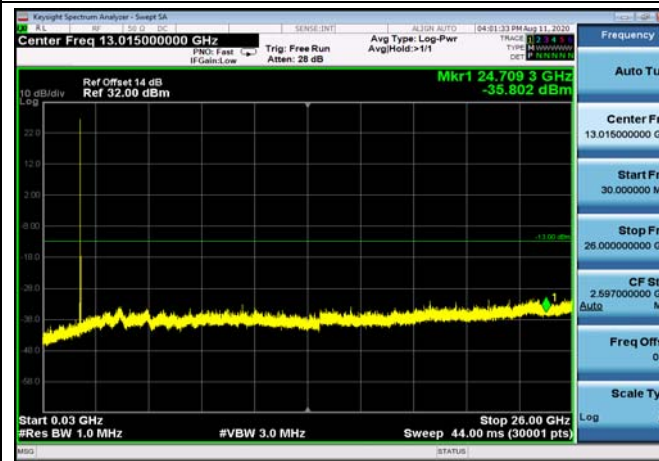
FDD02\_MidRange\_1.4MHz\_30MHz~26GHz



FDD02\_MidRange\_10MHz\_30MHz~26GHz



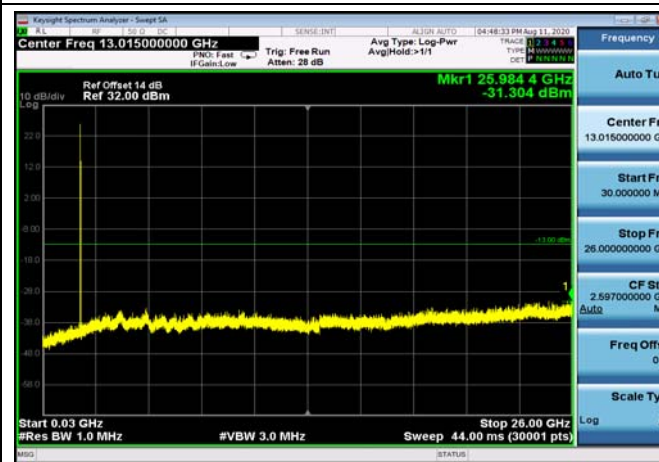
FDD02\_MidRange\_15MHz\_30MHz~26GHz



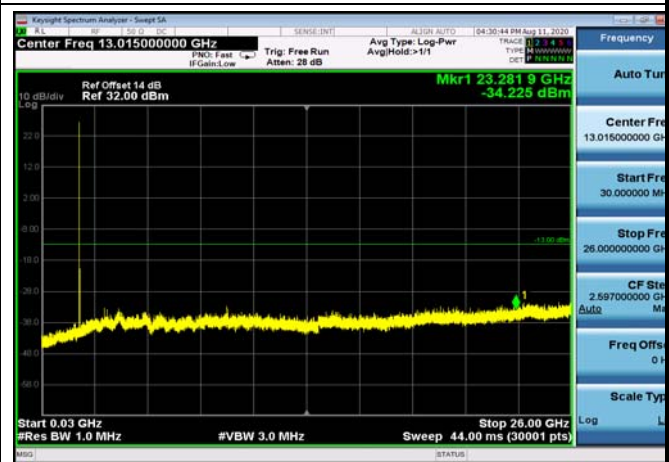
FDD02\_MidRange\_20MHz\_30MHz~26GHz



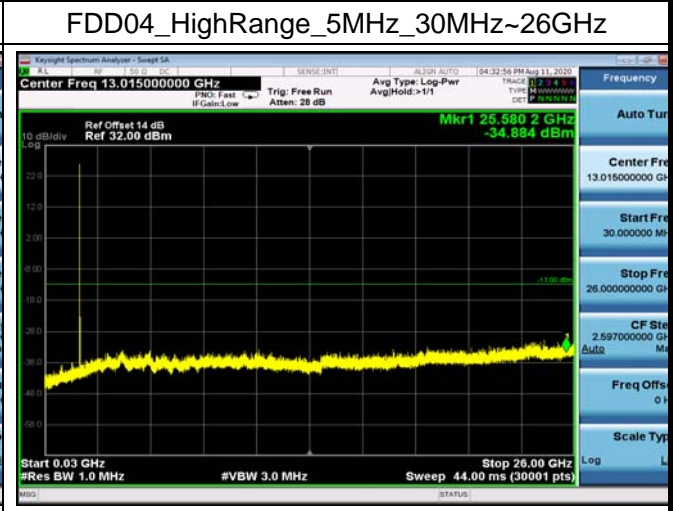
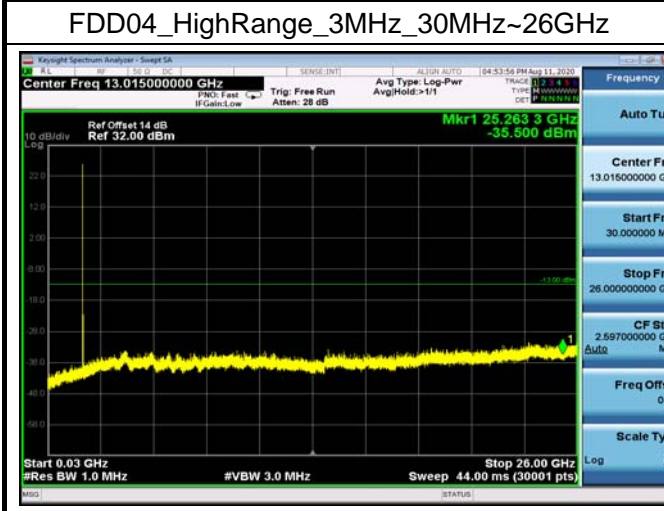
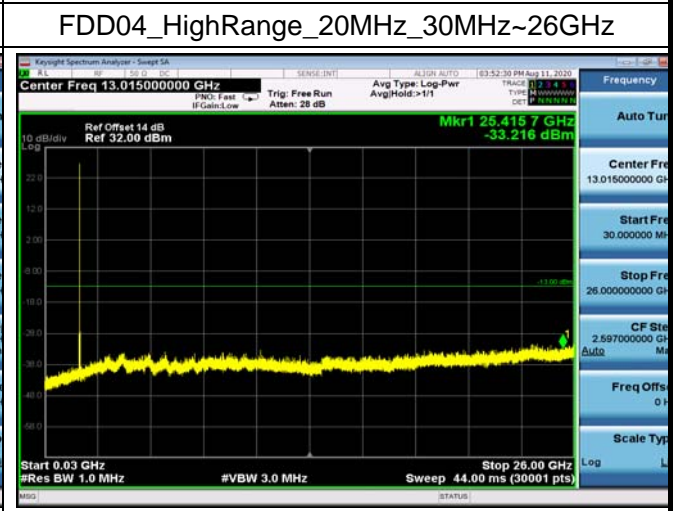
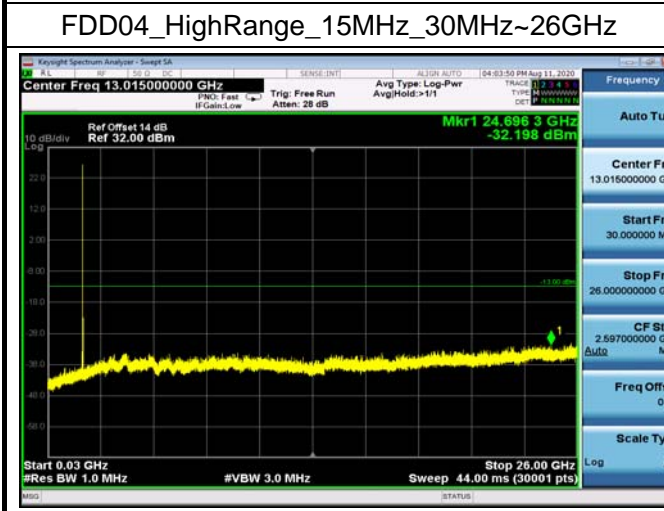
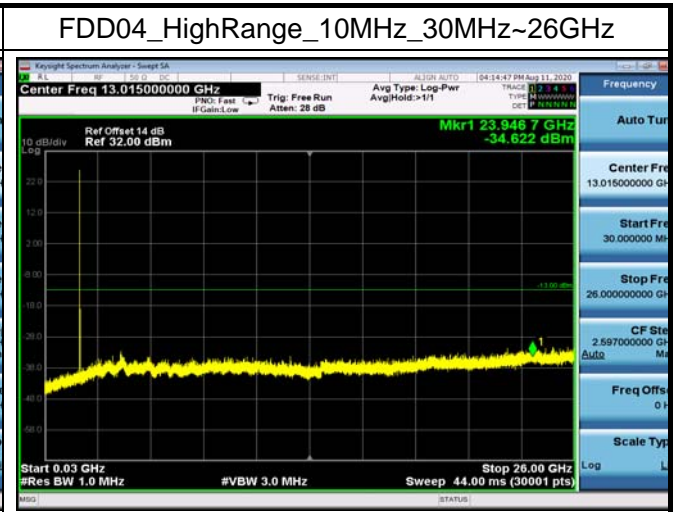
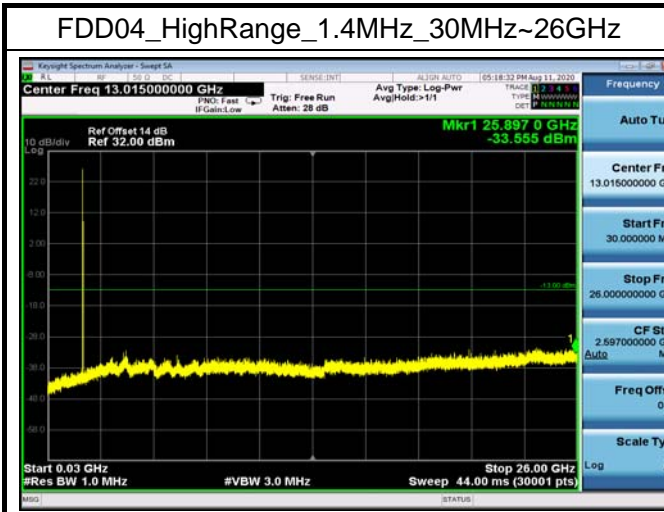
FDD02\_MidRange\_3MHz\_30MHz~26GHz



FDD02\_MidRange\_5MHz\_30MHz~26GHz

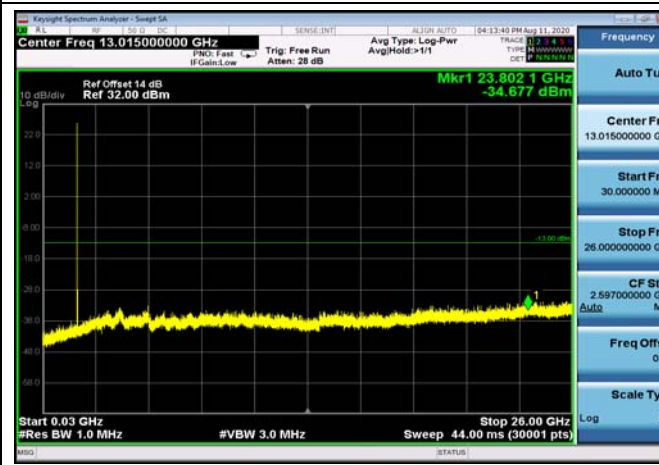




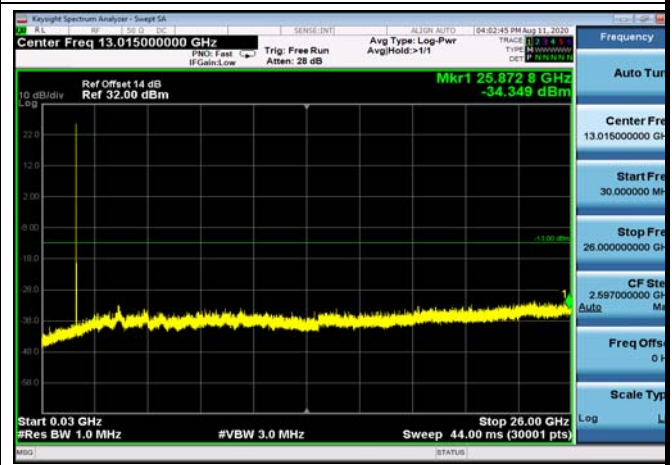




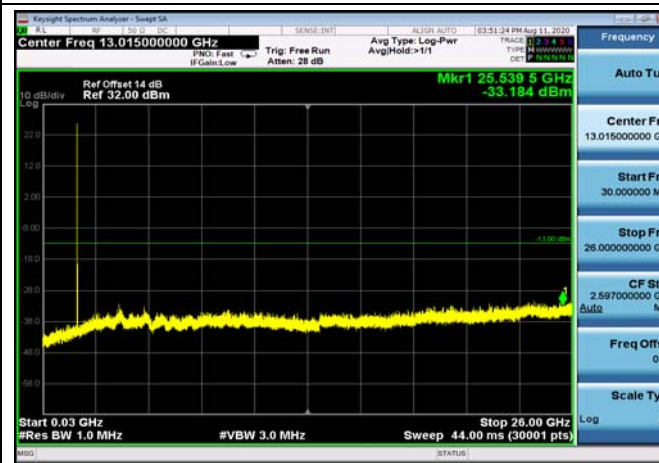
FDD04\_LowRange\_10MHz\_30MHz~26GHz



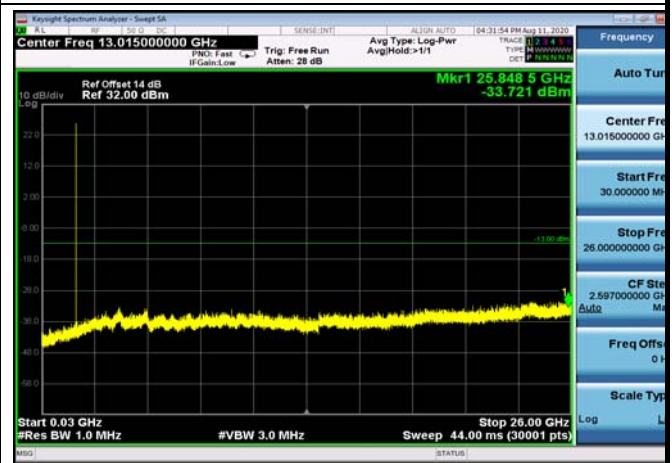
FDD04\_LowRange\_15MHz\_30MHz~26GHz



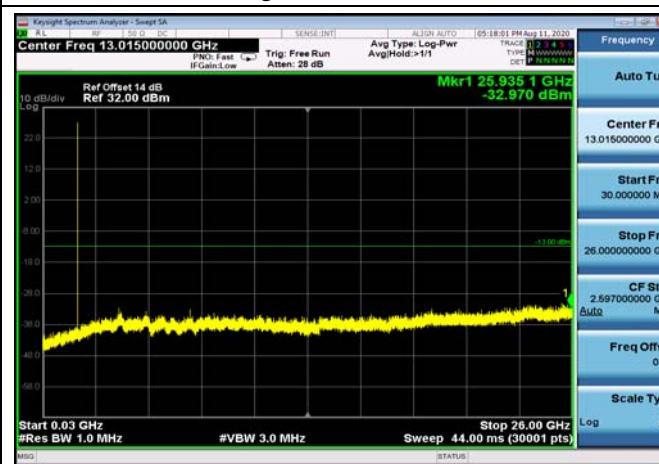
FDD04\_LowRange\_20MHz\_30MHz~26GHz



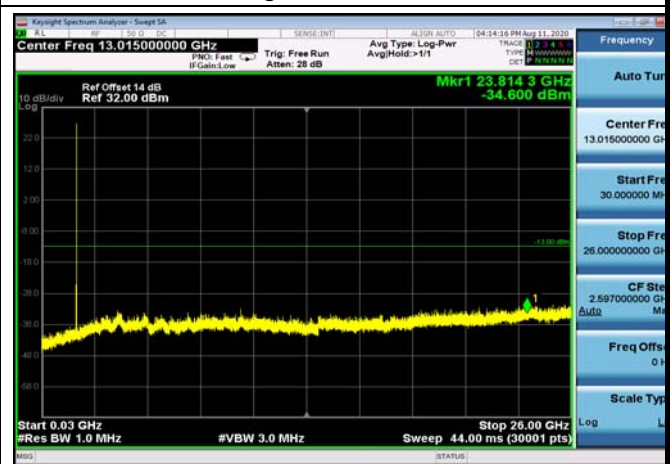
FDD04\_LowRange\_5MHz\_30MHz~26GHz

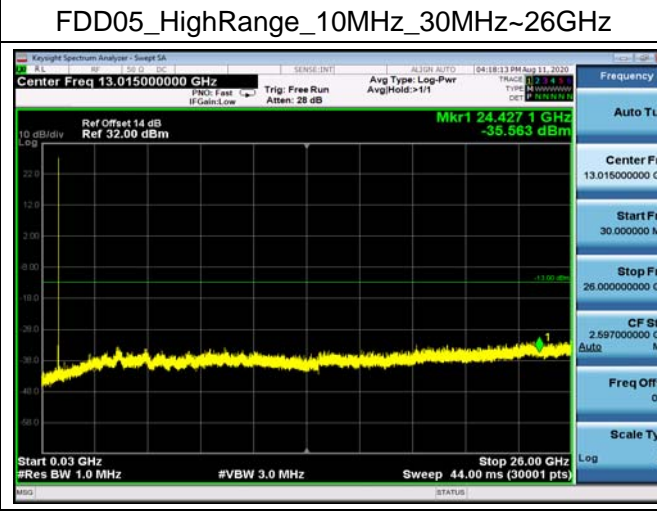
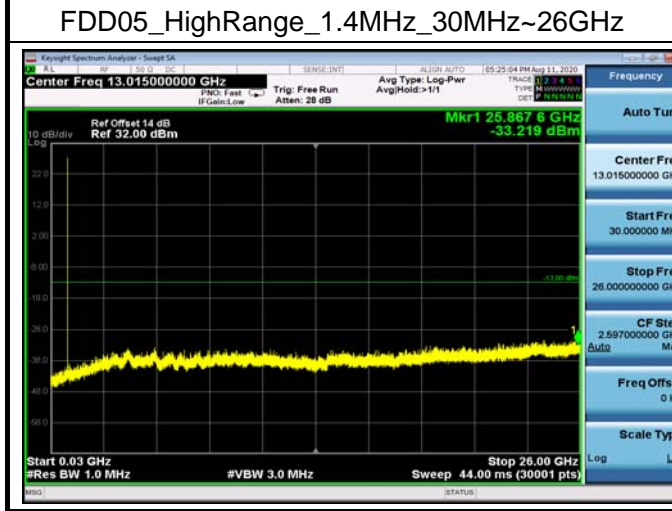
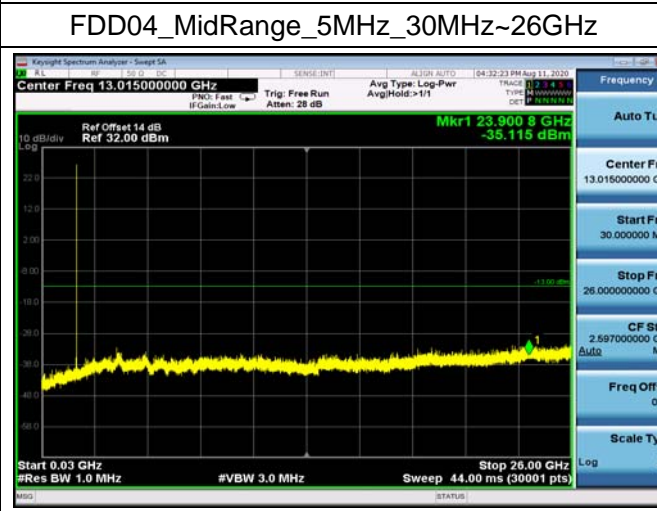
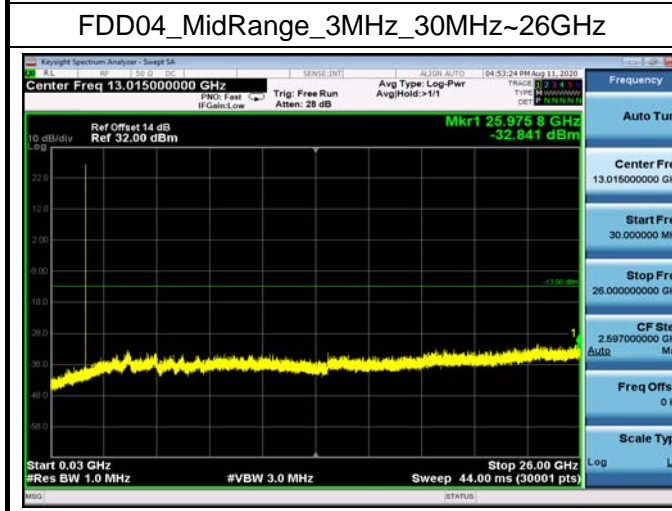
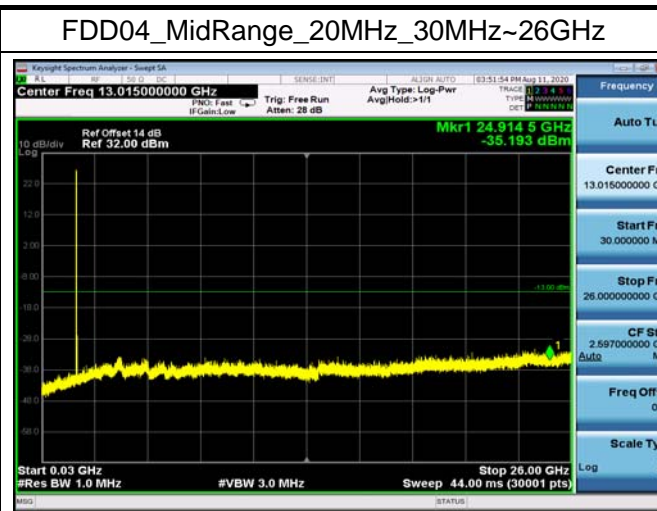
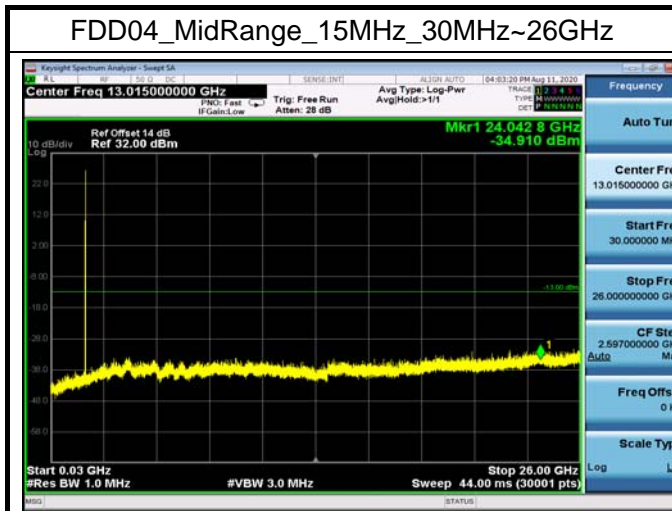


FDD04\_MidRange\_1.4MHz\_30MHz~26GHz



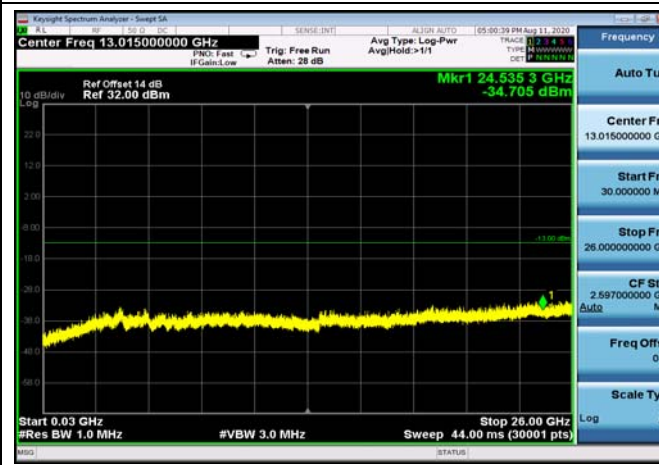
FDD04\_MidRange\_10MHz\_30MHz~26GHz







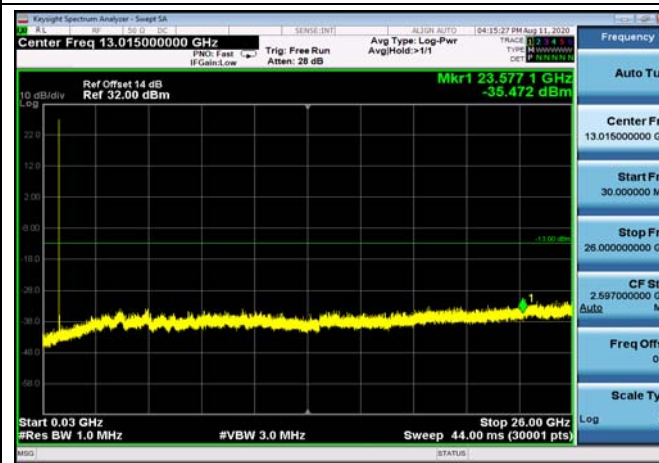
FDD05\_HighRange\_3MHz\_30MHz~26GHz



FDD05\_HighRange\_5MHz\_30MHz~26GHz



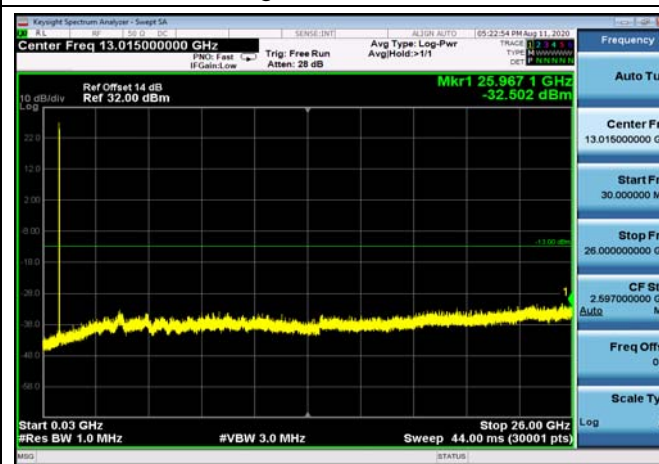
FDD05\_LowRange\_10MHz\_30MHz~26GHz



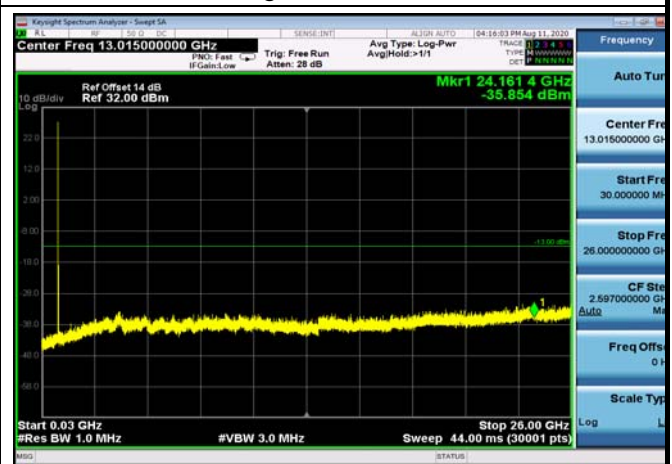
FDD05\_LowRange\_5MHz\_30MHz~26GHz

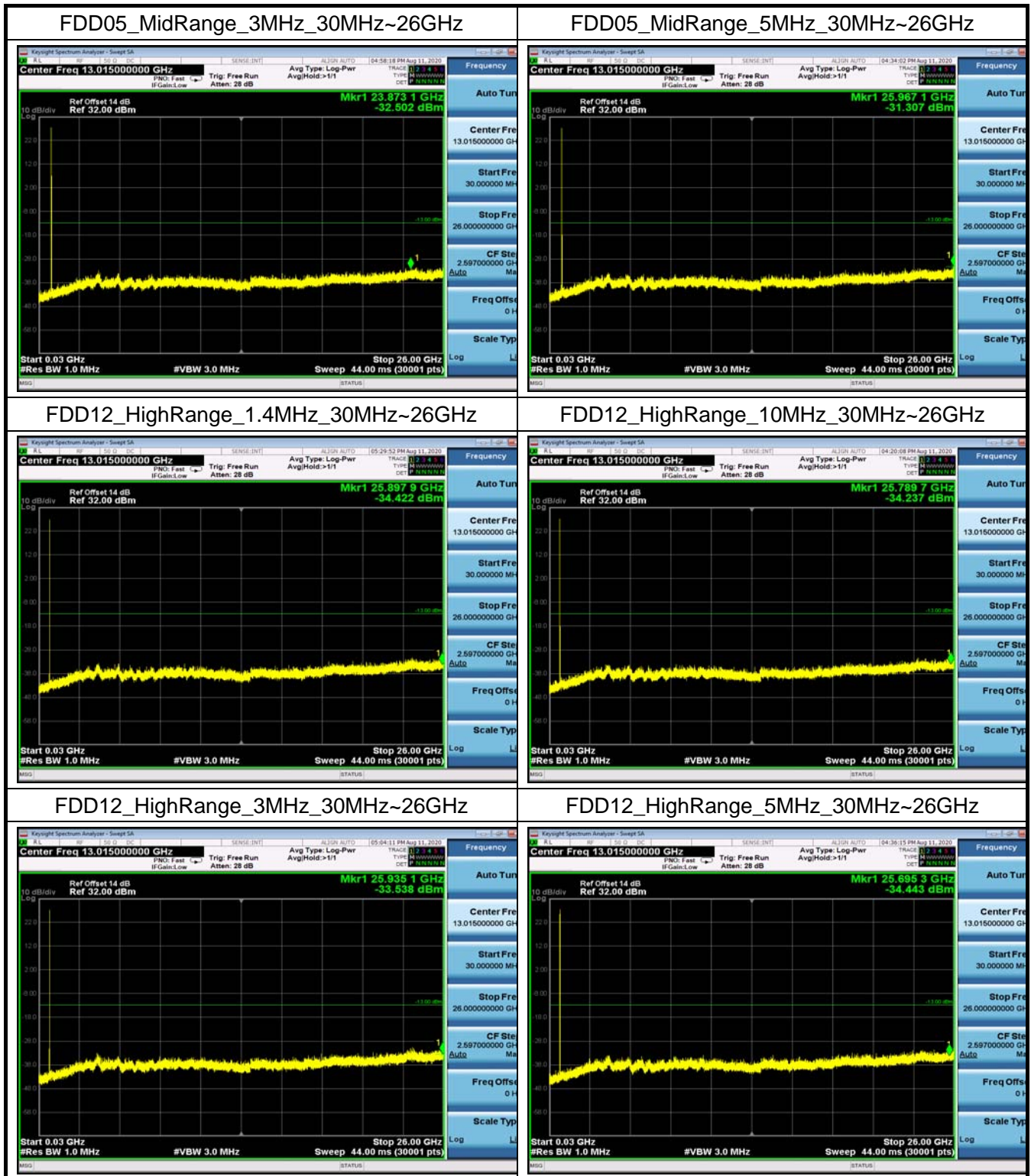


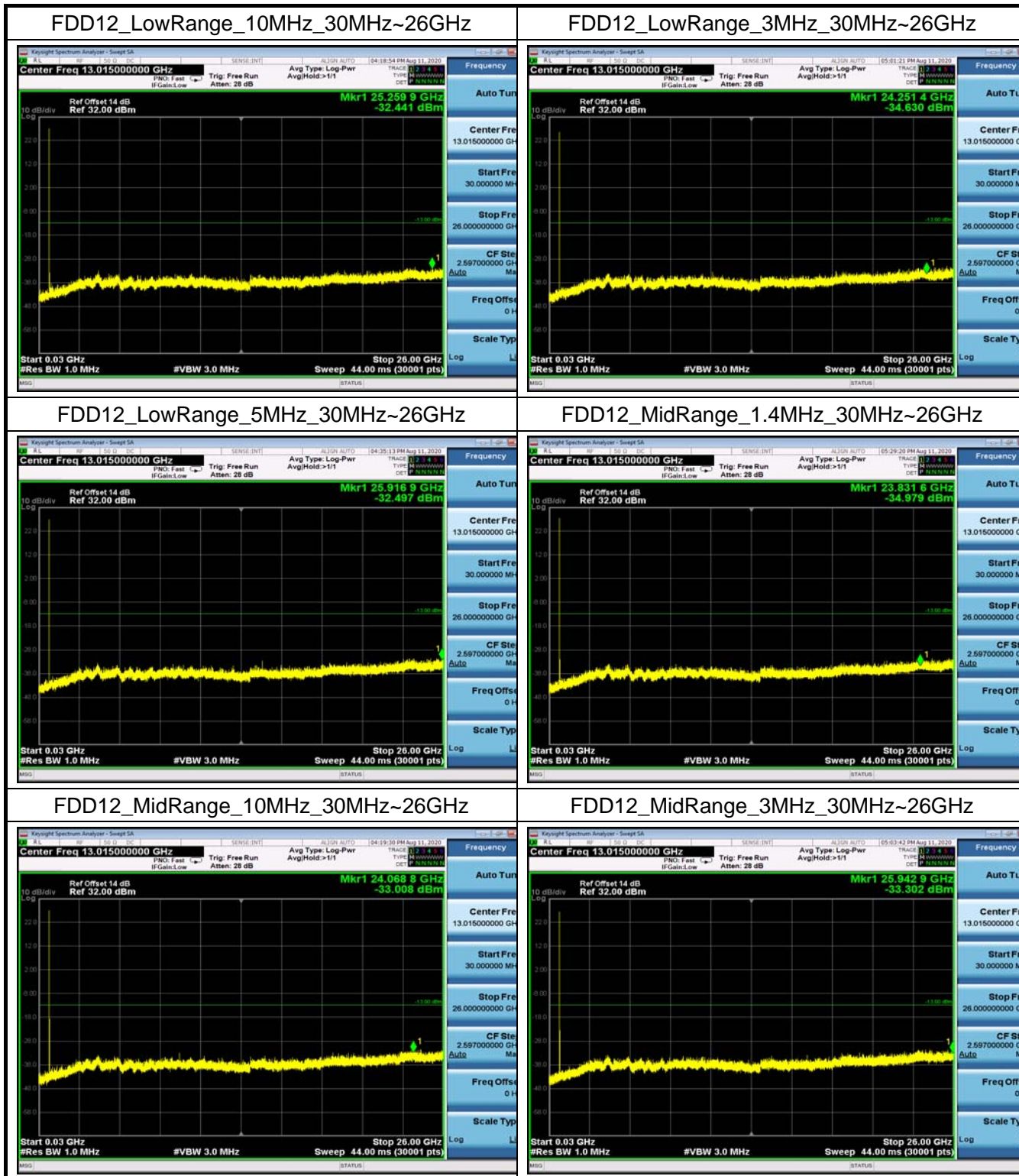
FDD05\_MidRange\_1.4MHz\_30MHz~26GHz



FDD05\_MidRange\_10MHz\_30MHz~26GHz

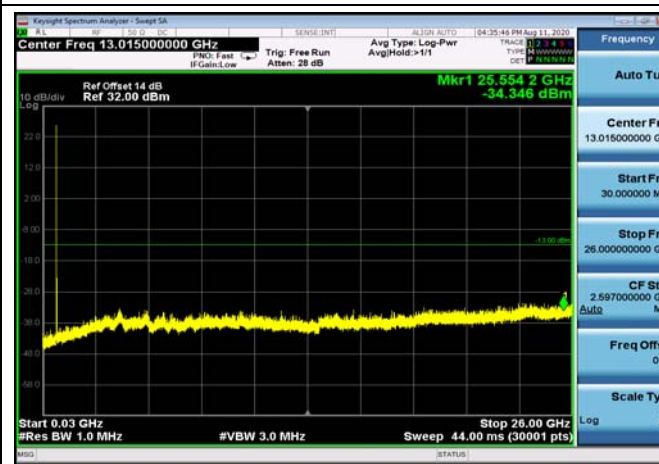




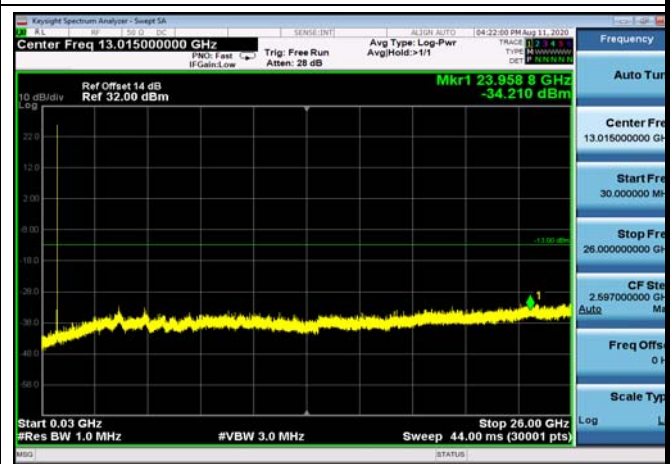




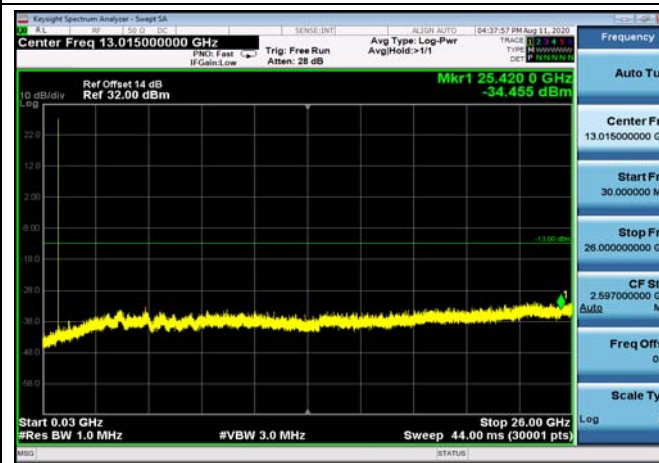
FDD12\_MidRange\_5MHz\_30MHz~26GHz



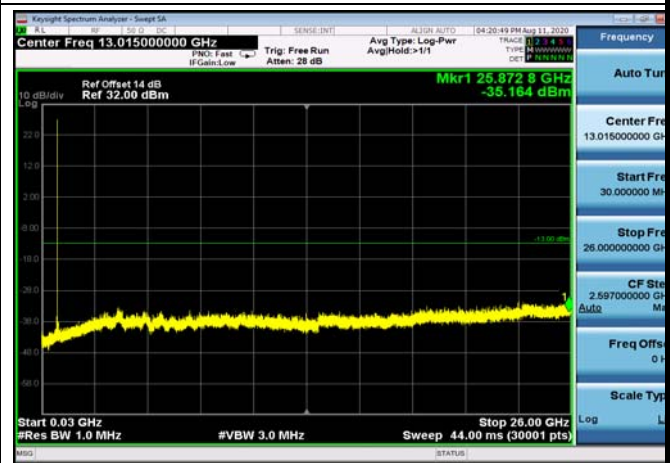
FDD13\_HighRange\_10MHz\_30MHz~26GHz



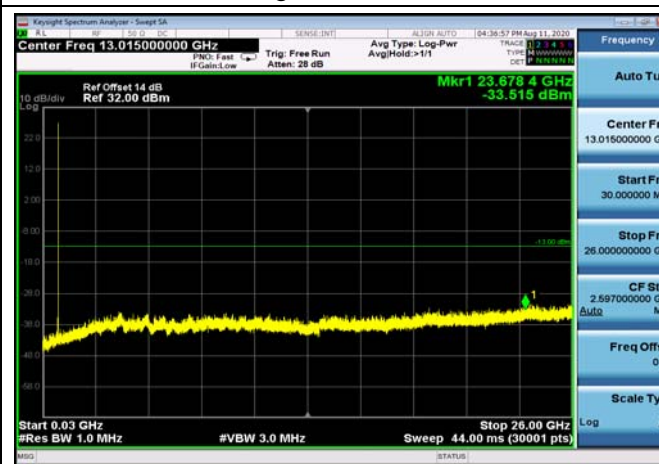
FDD13\_HighRange\_5MHz\_30MHz~26GHz



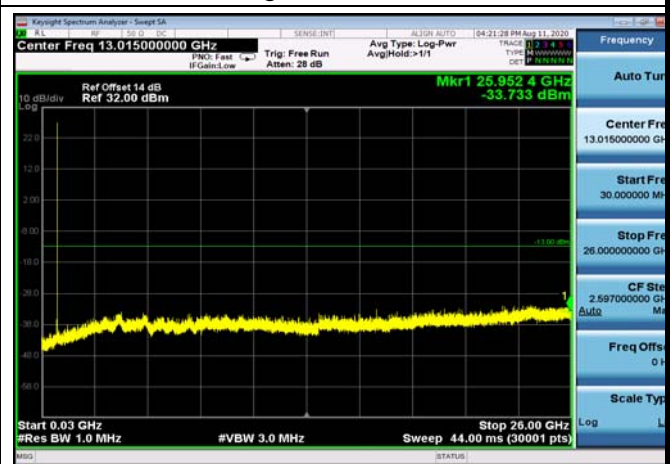
FDD13\_LowRange\_10MHz\_30MHz~26GHz

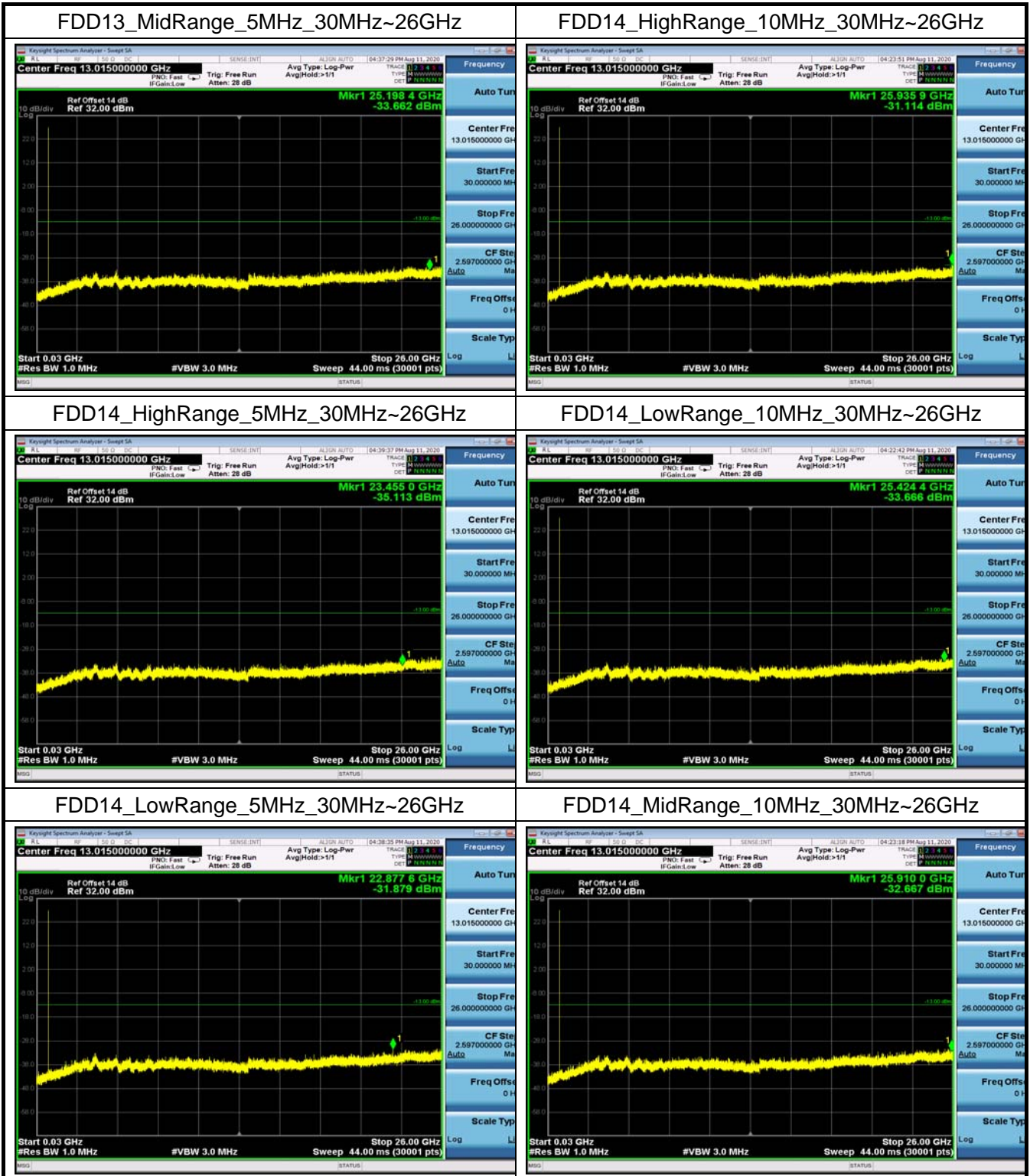


FDD13\_LowRange\_5MHz\_30MHz~26GHz



FDD13\_MidRange\_10MHz\_30MHz~26GHz

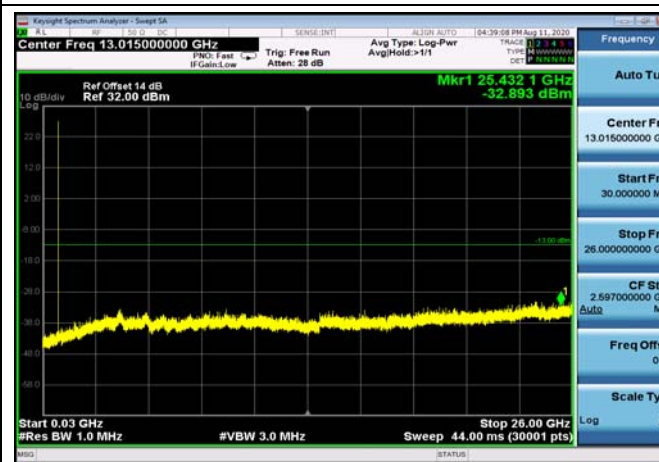




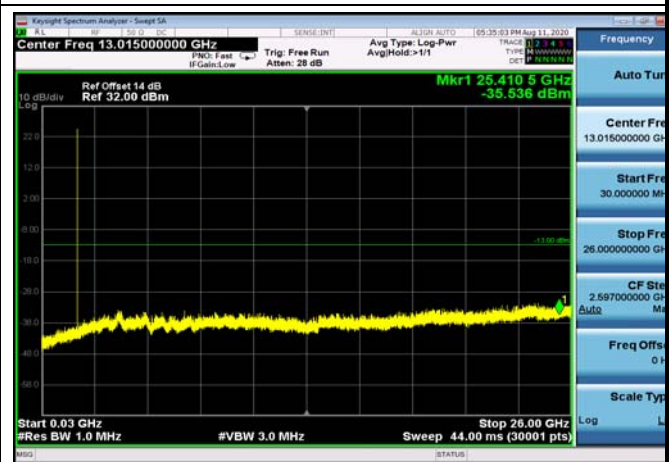




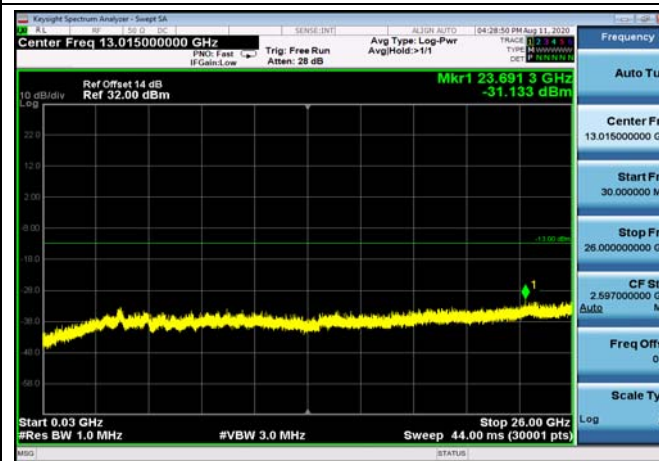
FDD14\_MidRange\_5MHz\_30MHz~26GHz



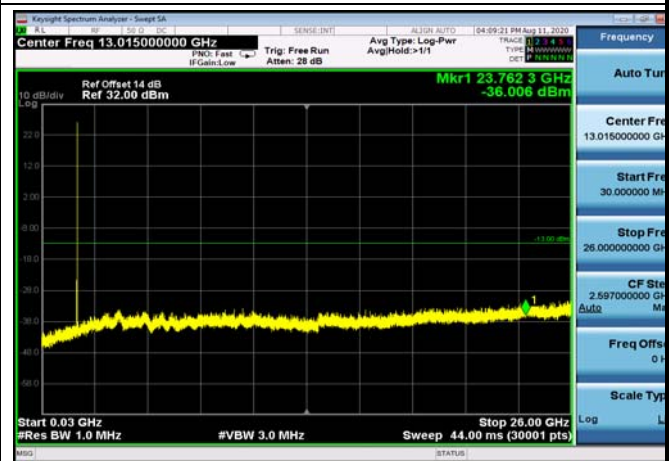
FDD66\_HighRange\_1.4MHz\_30MHz~26GHz



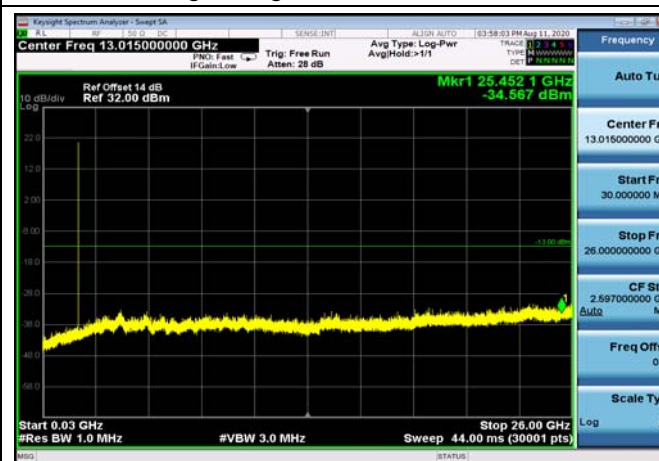
FDD66\_HighRange\_10MHz\_30MHz~26GHz



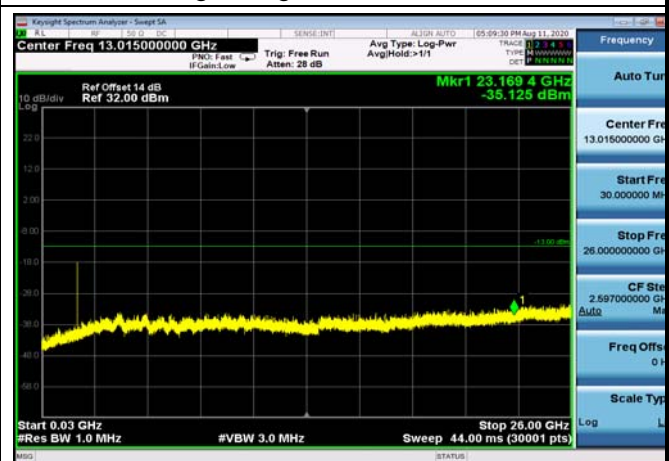
FDD66\_HighRange\_15MHz\_30MHz~26GHz



FDD66\_HighRange\_20MHz\_30MHz~26GHz

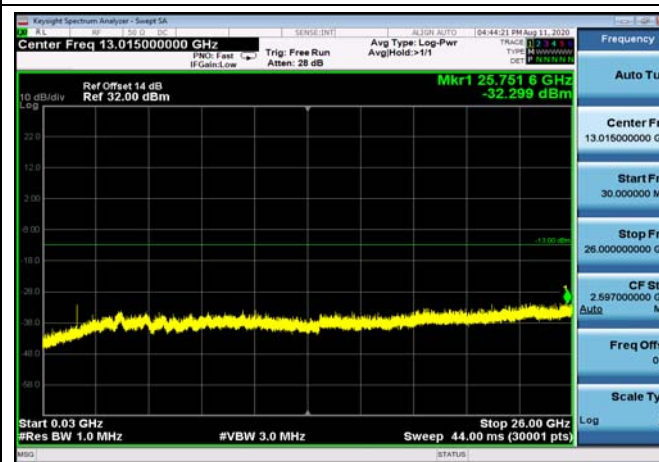


FDD66\_HighRange\_3MHz\_30MHz~26GHz





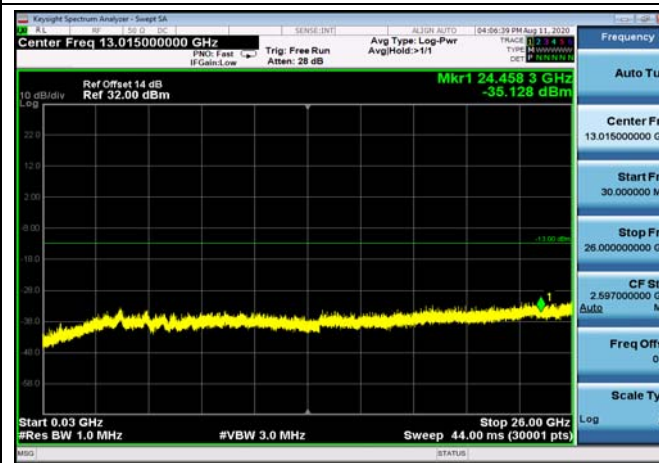
FDD66\_HighRange\_5MHz\_30MHz~26GHz



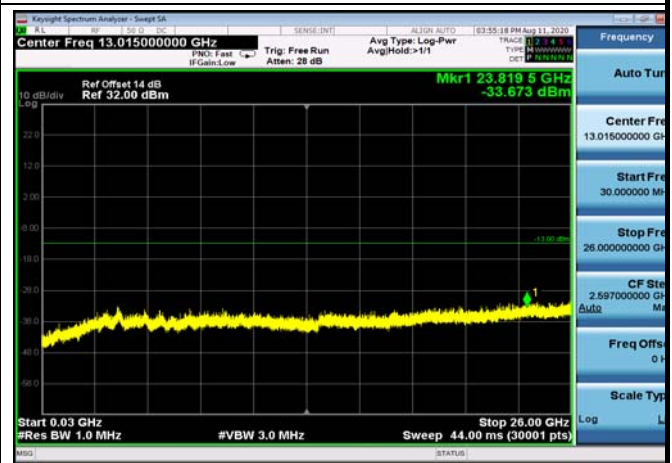
FDD66\_LowRange\_10MHz\_30MHz~26GHz



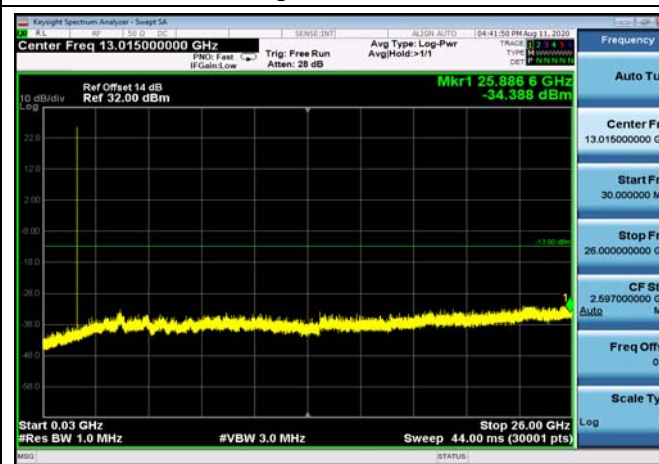
FDD66\_LowRange\_15MHz\_30MHz~26GHz



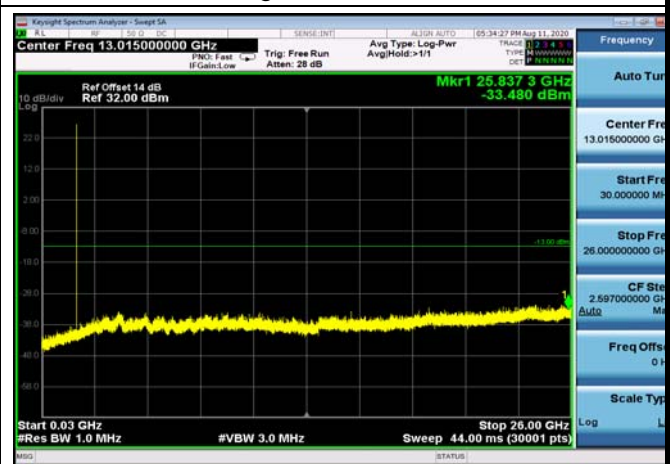
FDD66\_LowRange\_20MHz\_30MHz~26GHz



FDD66\_LowRange\_5MHz\_30MHz~26GHz

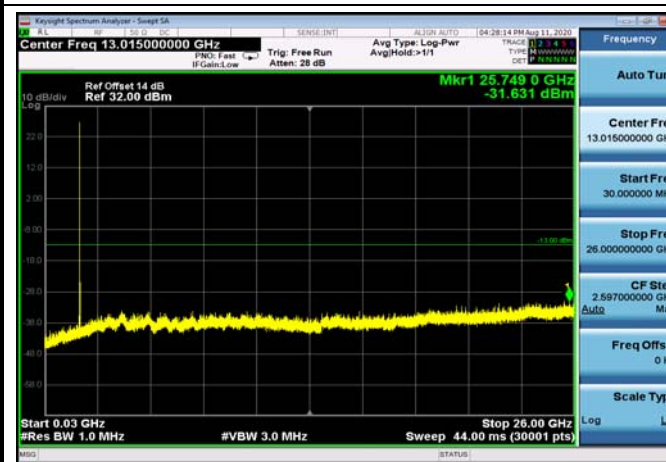


FDD66\_MidRange\_1.4MHz\_30MHz~26GHz

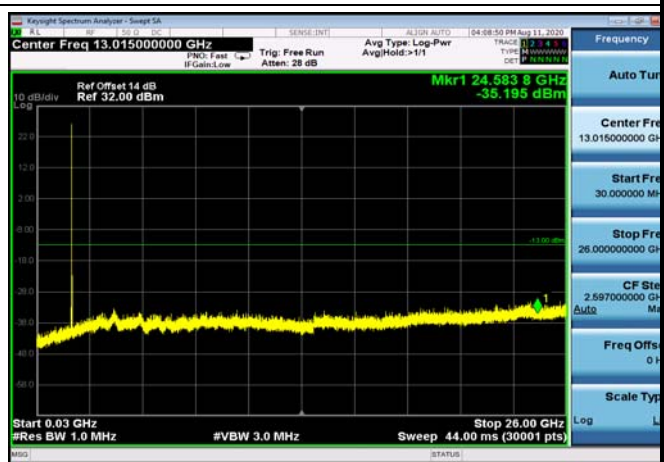




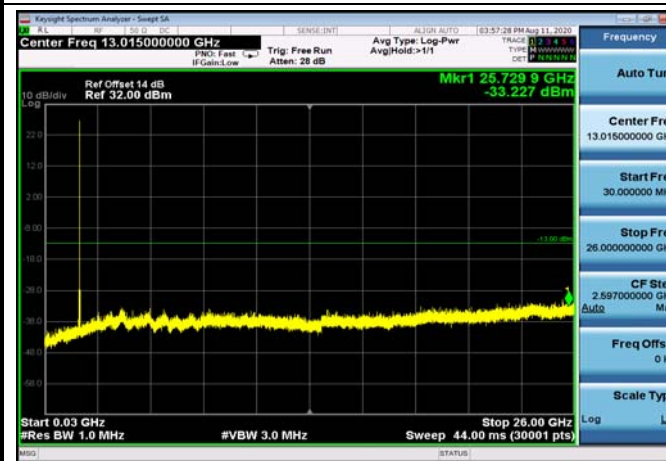
FDD66\_MidRange\_10MHz\_30MHz~26GHz



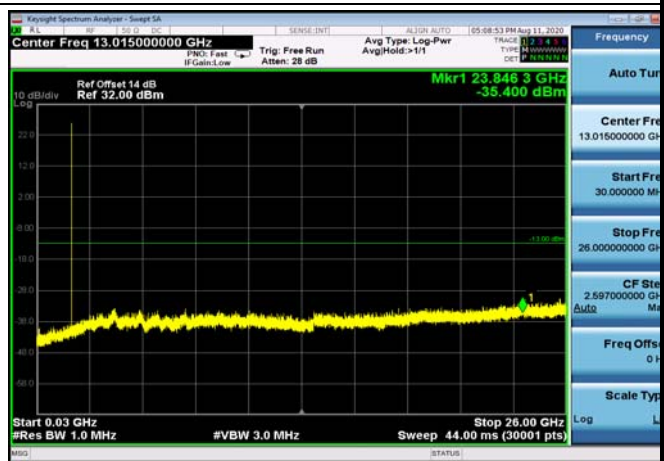
FDD66\_MidRange\_15MHz\_30MHz~26GHz



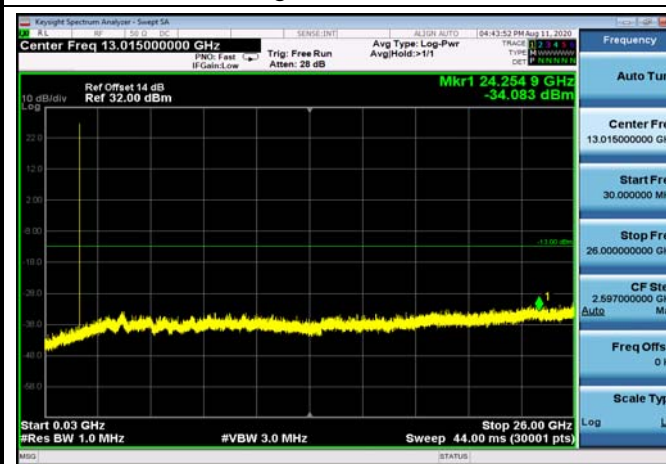
FDD66\_MidRange\_20MHz\_30MHz~26GHz



FDD66\_MidRange\_3MHz\_30MHz~26GHz



FDD66\_MidRange\_5MHz\_30MHz~26GHz

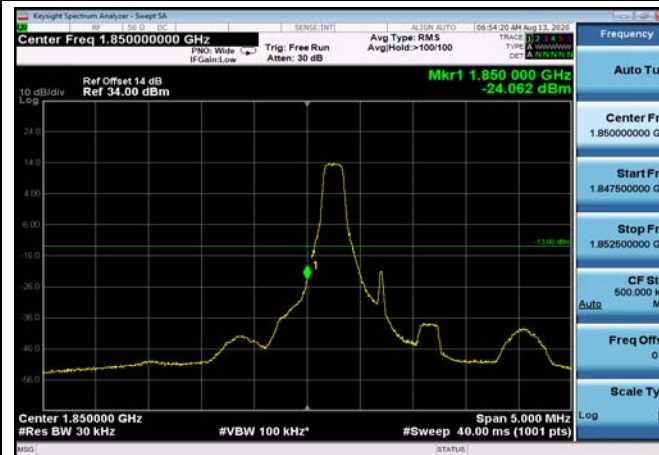




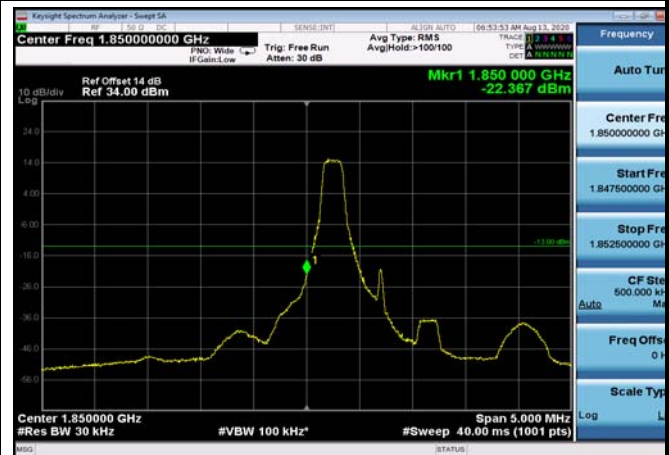
# Conducted Band Edge

## Test Result and Data

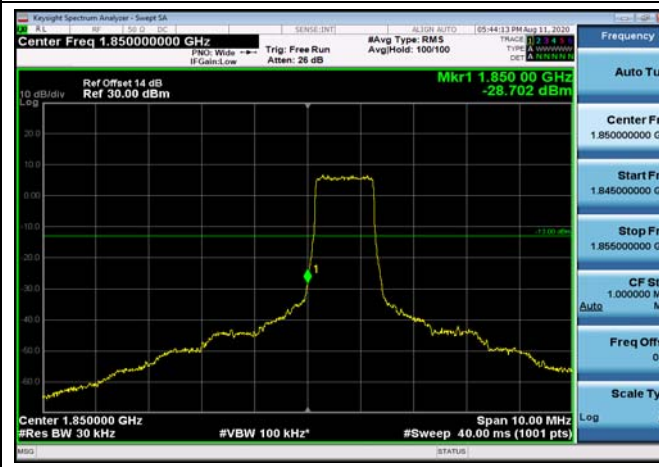
LowRange\_FDD02\_1.4MHz\_1850.7\_OneRB  
\_low\_QPSK



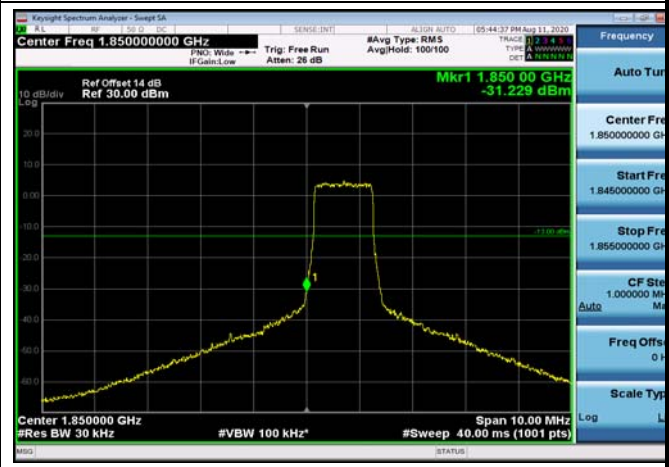
LowRange\_FDD02\_1.4MHz\_1850.7\_OneRB  
\_low\_Q16



LowRange\_FDD02\_1.4MHz\_1850.7\_fullRB  
\_Low\_QPSK

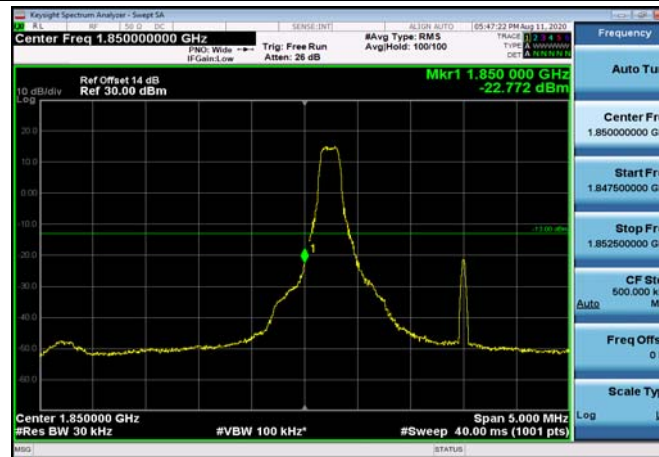


LowRange\_FDD02\_1.4MHz\_1850.7\_fullRB  
\_Low\_Q16

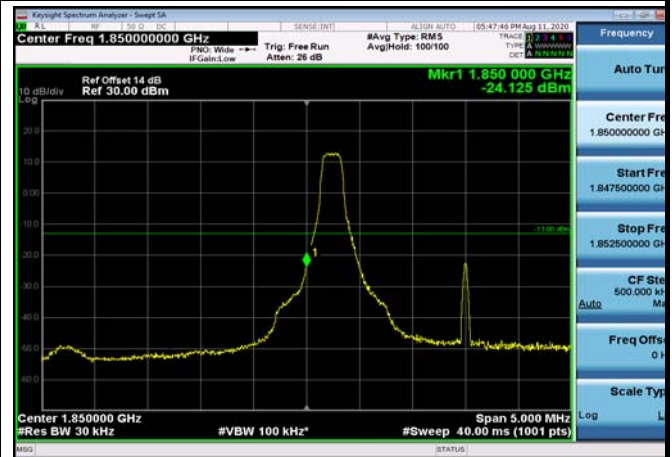




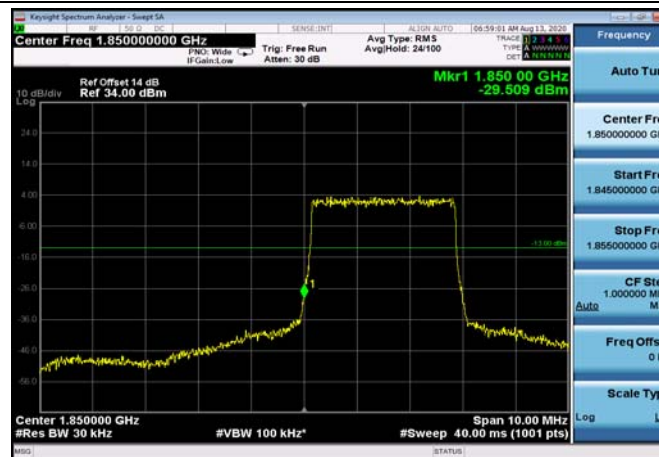
LowRange\_FDD02\_3MHz\_1851.5\_OneRB  
\_low\_QPSK



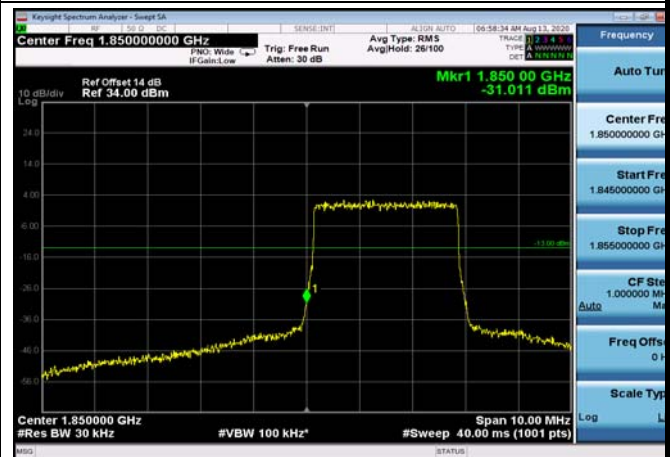
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\_low\_Q16



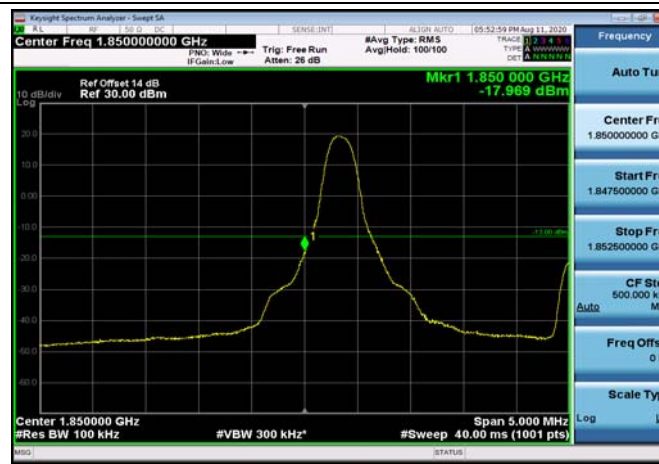
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\_Low\_QPSK



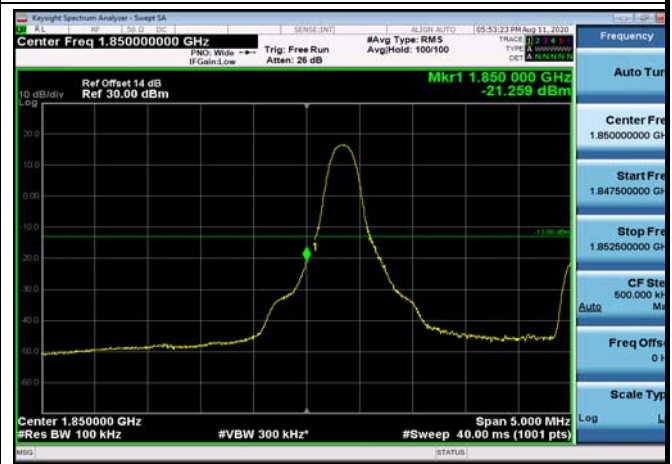
LowRange\_FDD02\_3MHz\_1851.5\_fullRB  
\_Low\_Q16



LowRange\_FDD02\_5MHz\_1852.5\_OneRB  
\_low\_QPSK



LowRange\_FDD02\_5MHz\_1852.5\_OneRB  
\_low\_Q16





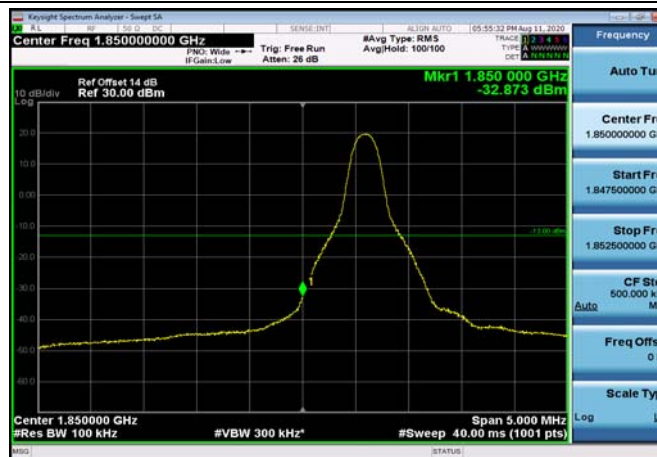
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\_Low\_QPSK



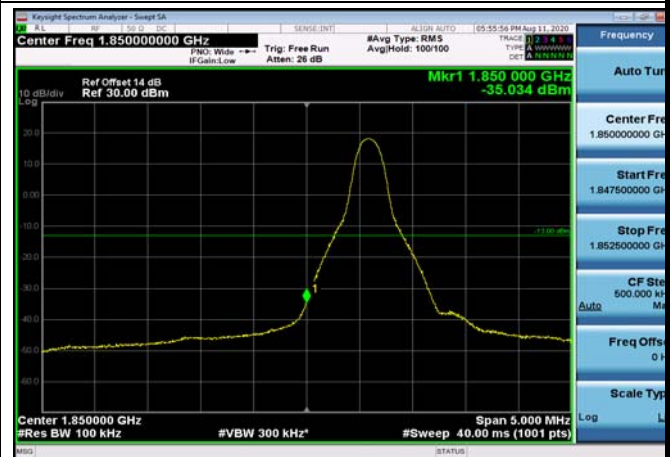
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\_Low\_Q16



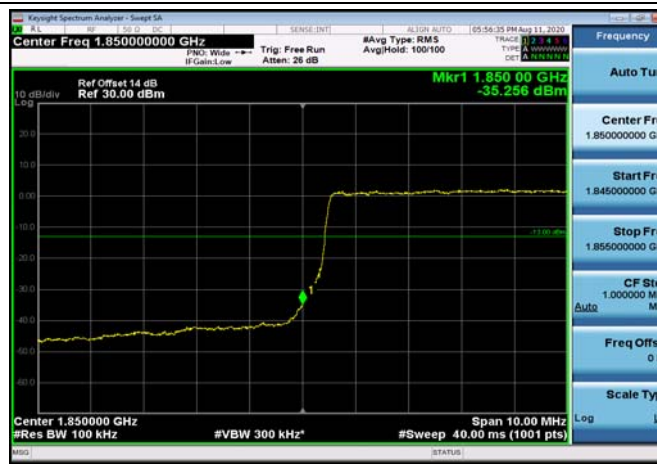
LowRange\_FDD02\_10MHz\_1855\_OneRB  
\_low\_QPSK



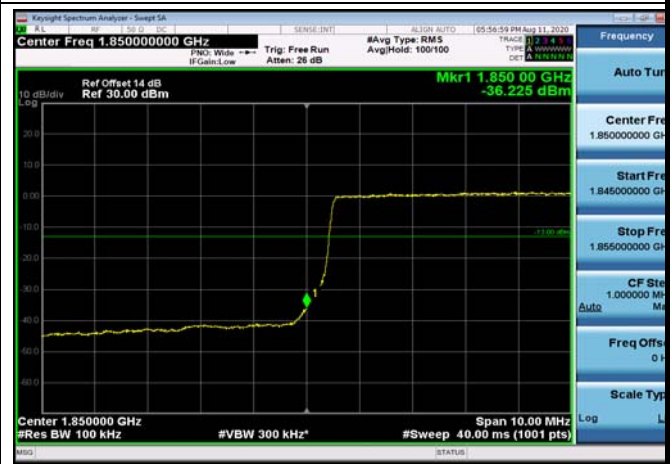
LowRange\_FDD02\_10MHz\_1855\_OneRB  
\_low\_Q16



LowRange\_FDD02\_10MHz\_1855\_fullRB  
\_Low\_QPSK

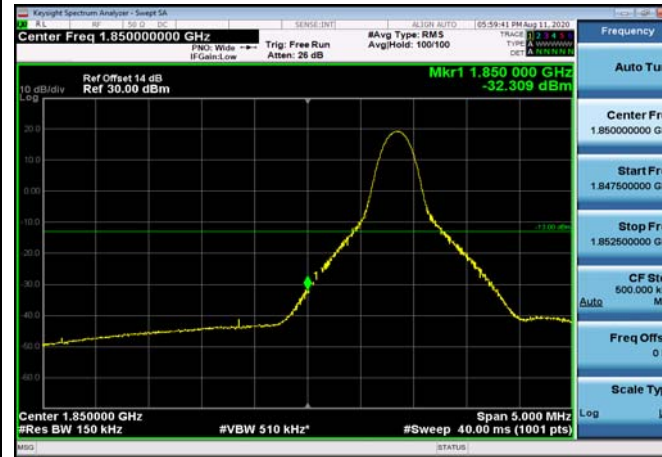


LowRange\_FDD02\_10MHz\_1855\_fullRB  
\_Low\_Q16

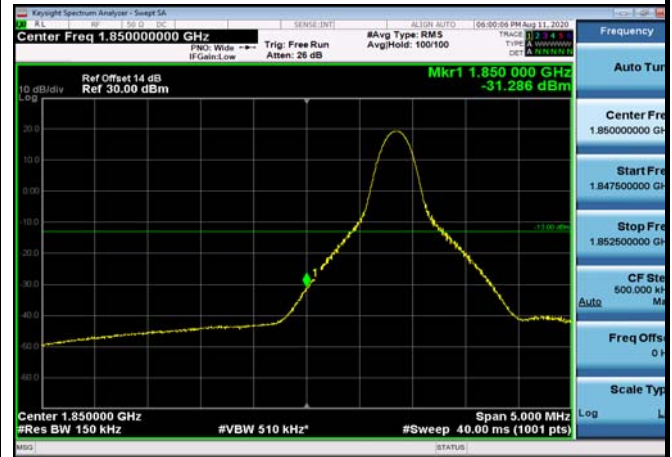




LowRange\_FDD02\_15MHz\_1857.5\_OneRB  
\_low\_QPSK



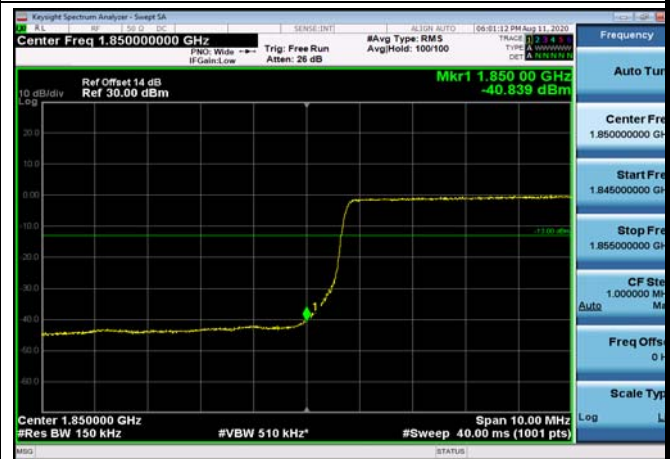
LowRange\_FDD02\_15MHz\_1857.5\_OneRB  
\_low\_Q16



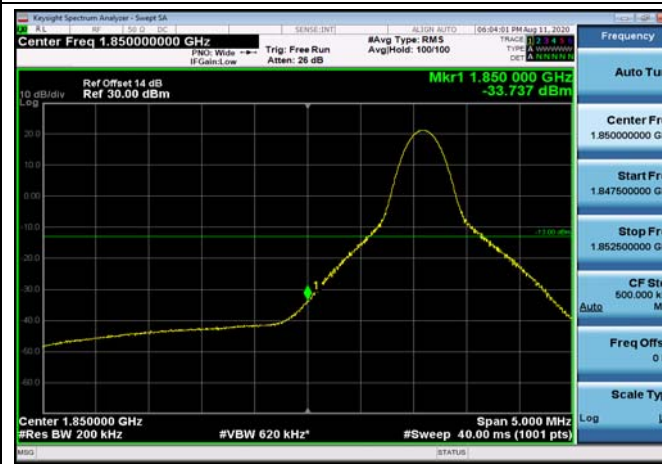
LowRange\_FDD02\_15MHz\_1857.5\_fullIRB  
\_Low\_QPSK



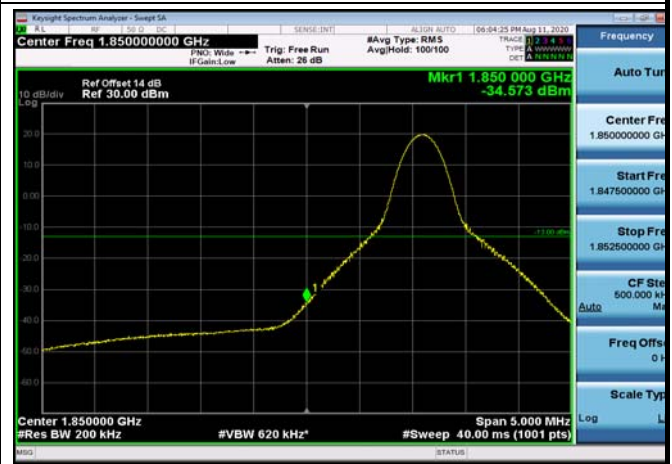
LowRange\_FDD02\_15MHz\_1857.5\_fullIRB  
\_Low\_Q16



LowRange\_FDD02\_20MHz\_1860\_OneRB  
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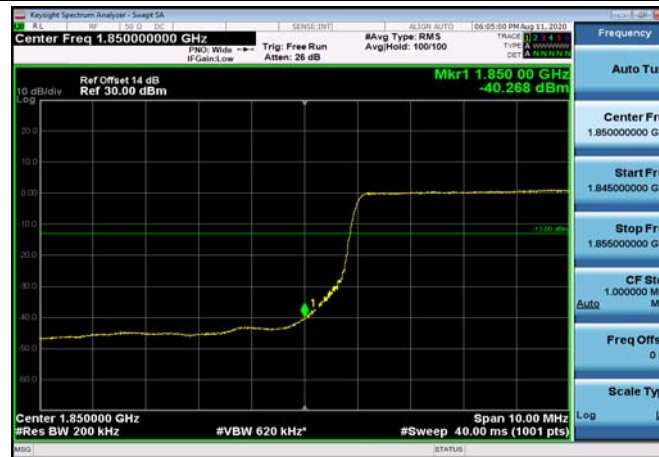


LowRange\_FDD02\_20MHz\_1860\_OneRB  
\_low\_Q16

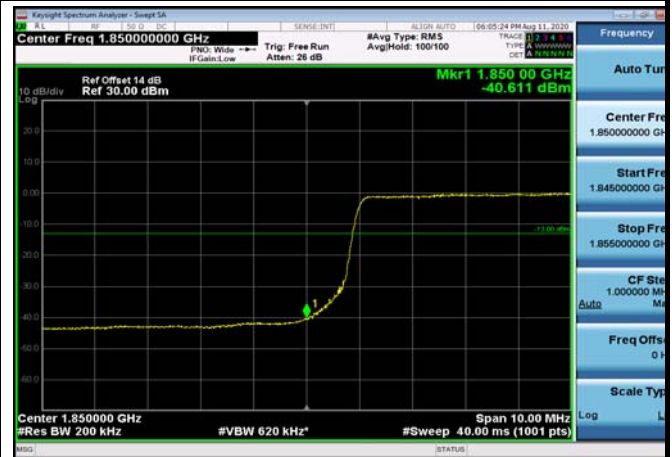




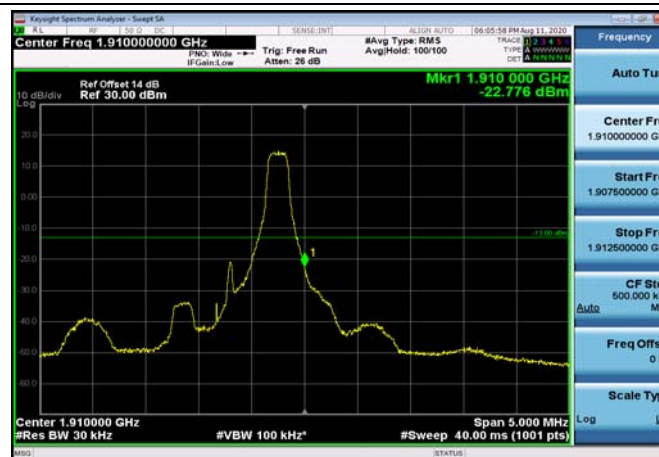
LowRange\_FDD02\_20MHz\_1860\_fullRB  
\_Low\_QPSK



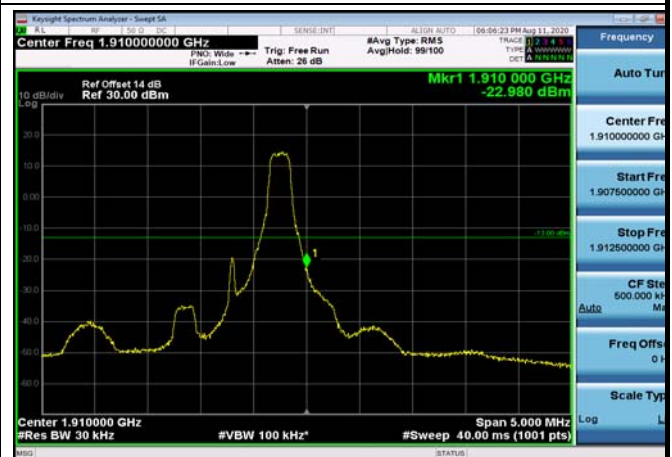
LowRange\_FDD02\_20MHz\_1860\_fullRB  
\_Low\_Q16



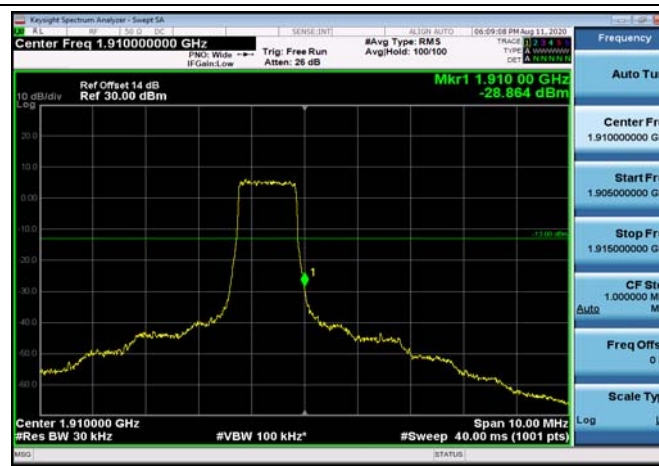
HighRange\_FDD02\_1.4MHz\_1909.3\_OneRB  
\_high\_QPSK



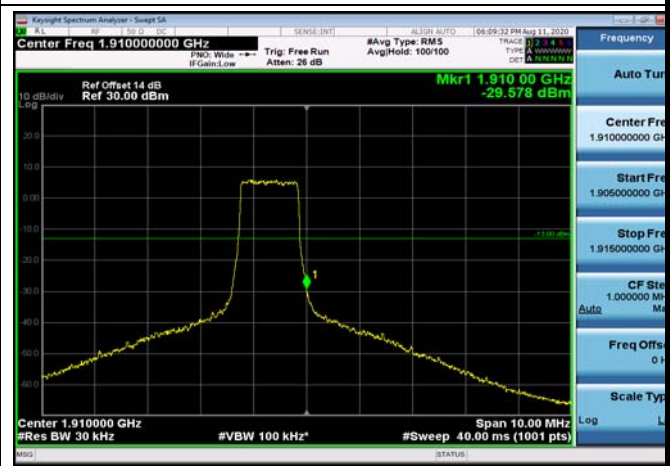
HighRange\_FDD02\_1.4MHz\_1909.3\_OneRB  
\_high\_Q16



HighRange\_FDD02\_1.4MHz\_1909.3  
\_fullRB\_High\_QPSK



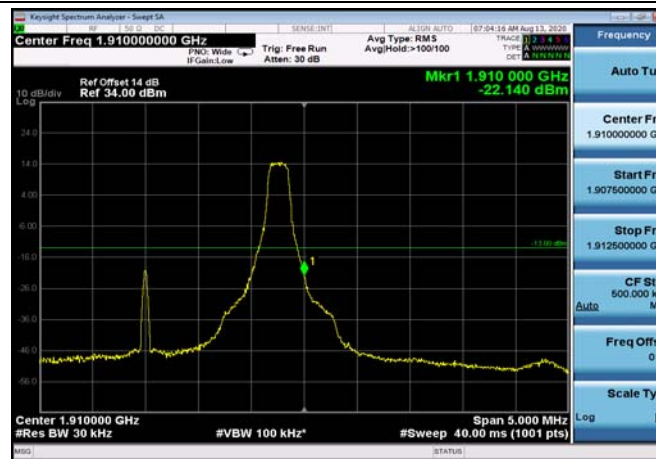
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\_fullRB\_High\_Q16



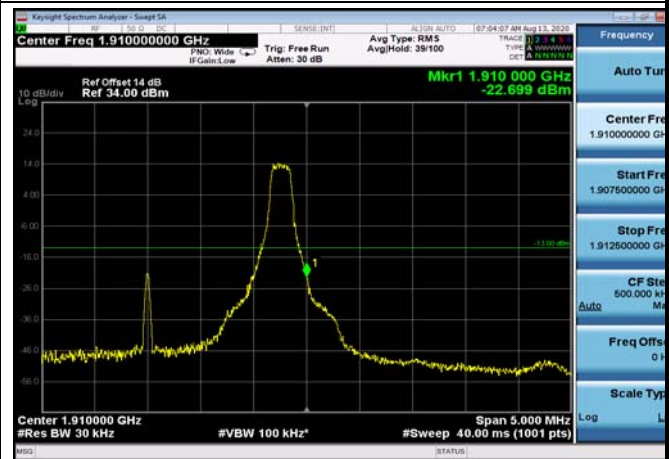




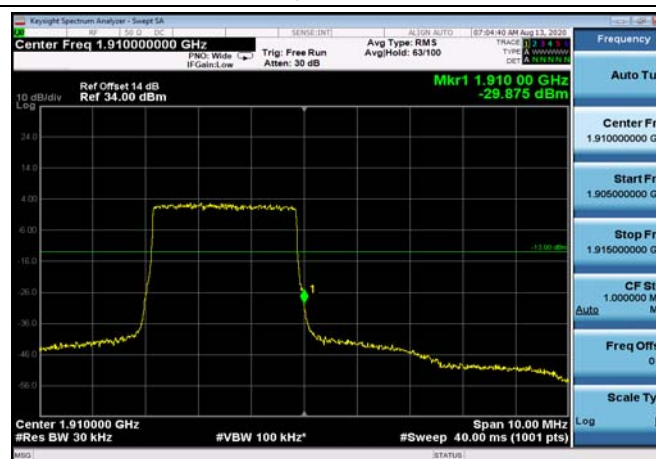
HighRange\_FDD02\_3MHz\_1908.5\_OneRB  
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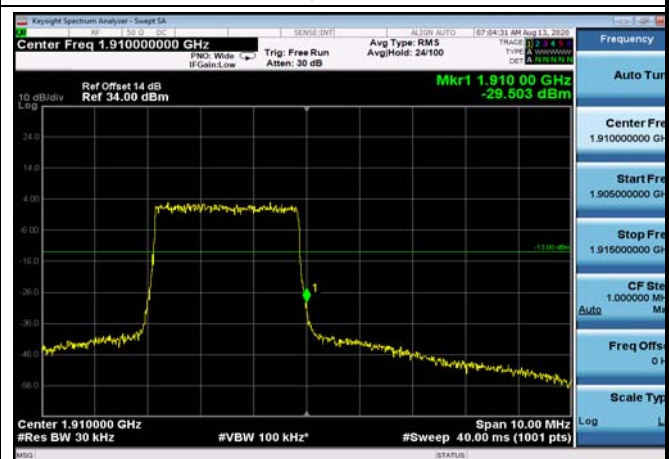
HighRange\_FDD02\_3MHz\_1908.5\_OneRB  
\_high\_Q16



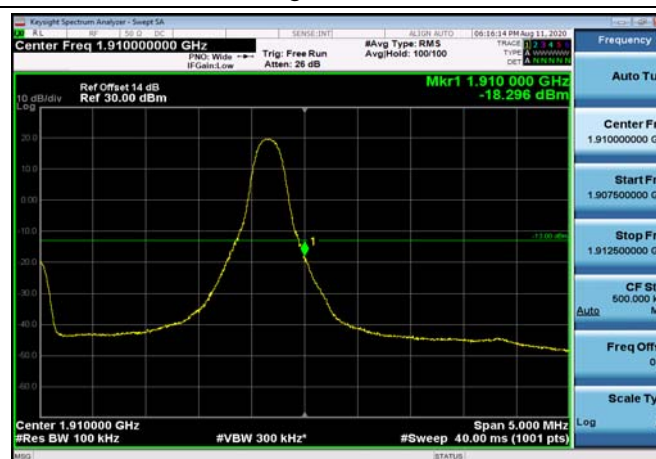
HighRange\_FDD02\_3MHz\_1908.5\_fullIRB  
\_High\_QPSK



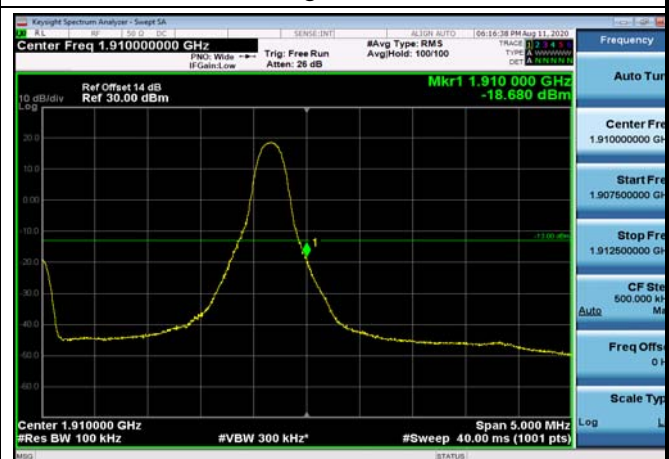
HighRange\_FDD02\_3MHz\_1908.5\_fullIRB  
\_High\_Q16



HighRange\_FDD02\_5MHz\_1907.5\_OneRB  
\_high\_QPSK



HighRange\_FDD02\_5MHz\_1907.5\_OneRB  
\_high\_Q16





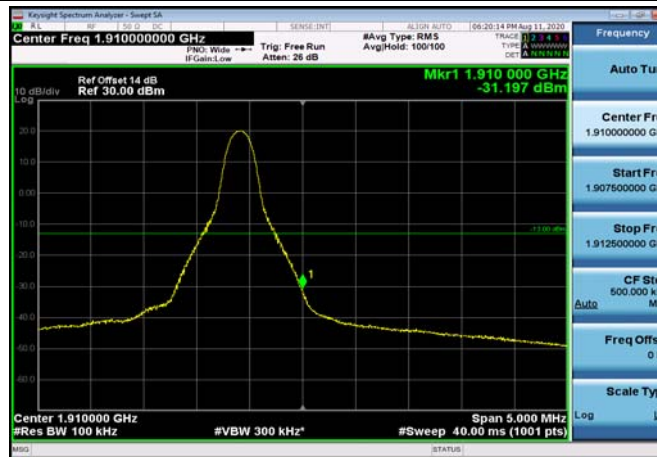
HighRange\_FDD02\_5MHz\_1907.5\_fullRB  
\_High\_QPSK



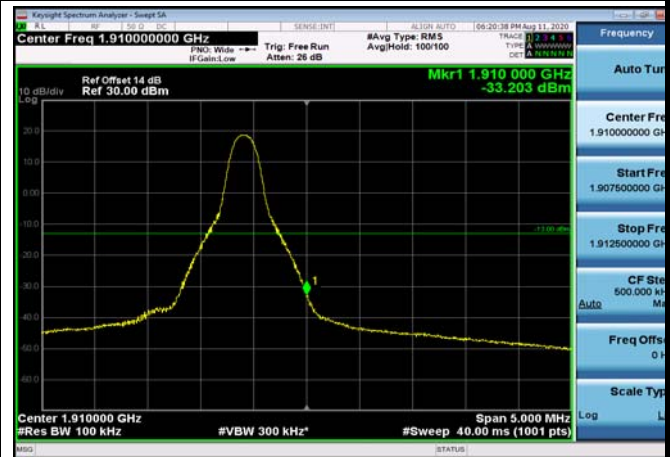
HighRange\_FDD02\_5MHz\_1907.5\_fullRB  
\_High\_Q16



HighRange\_FDD02\_10MHz\_1905\_OneRB  
\_high\_QPSK



HighRange\_FDD02\_10MHz\_1905\_OneRB  
\_high\_Q16



HighRange\_FDD02\_10MHz\_1905\_fullRB  
\_High\_QPSK



HighRange\_FDD02\_10MHz\_1905\_fullRB  
\_High\_Q16

