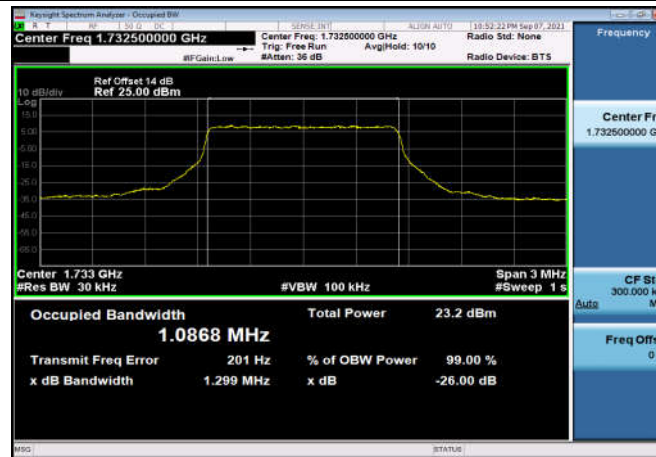
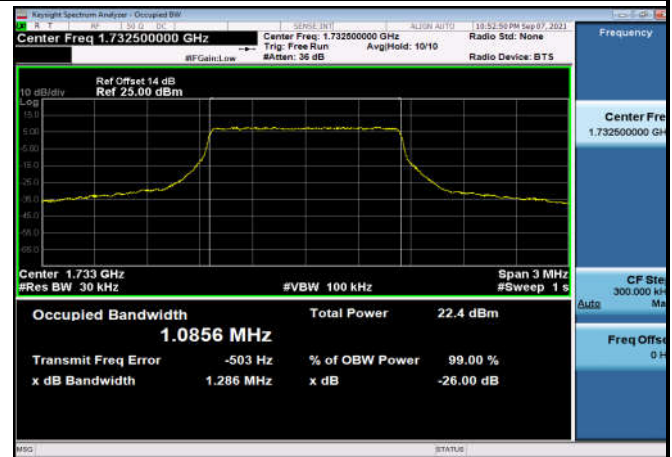




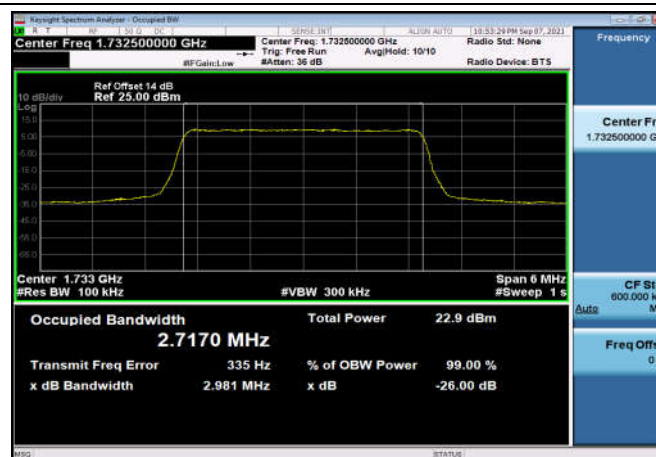
FDD04\_MidRange\_1.4MHz\_1732.5MHz\_QPSK



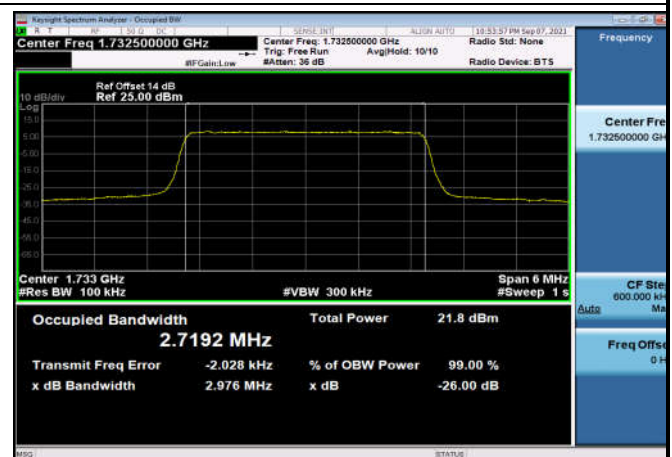
FDD04\_MidRange\_1.4MHz\_1732.5MHz\_Q16



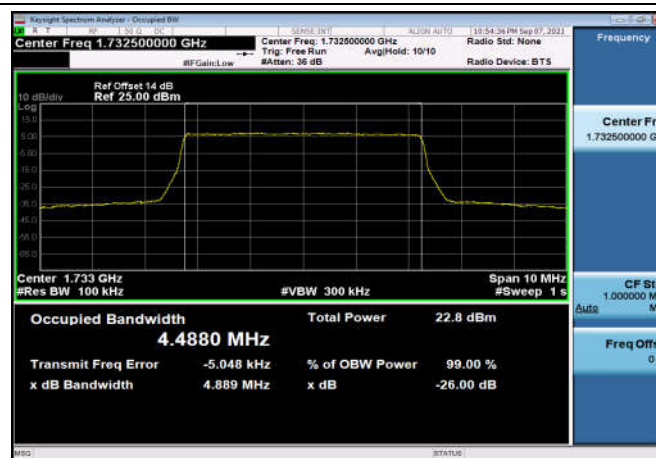
FDD04\_MidRange\_3MHz\_1732.5MHz\_QPSK



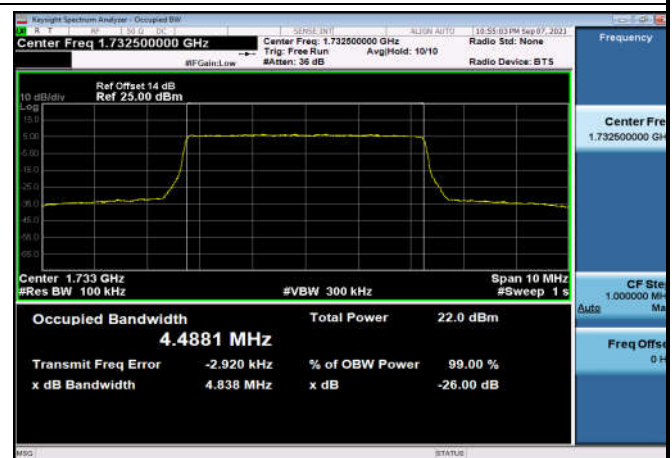
FDD04\_MidRange\_3MHz\_1732.5MHz\_Q16

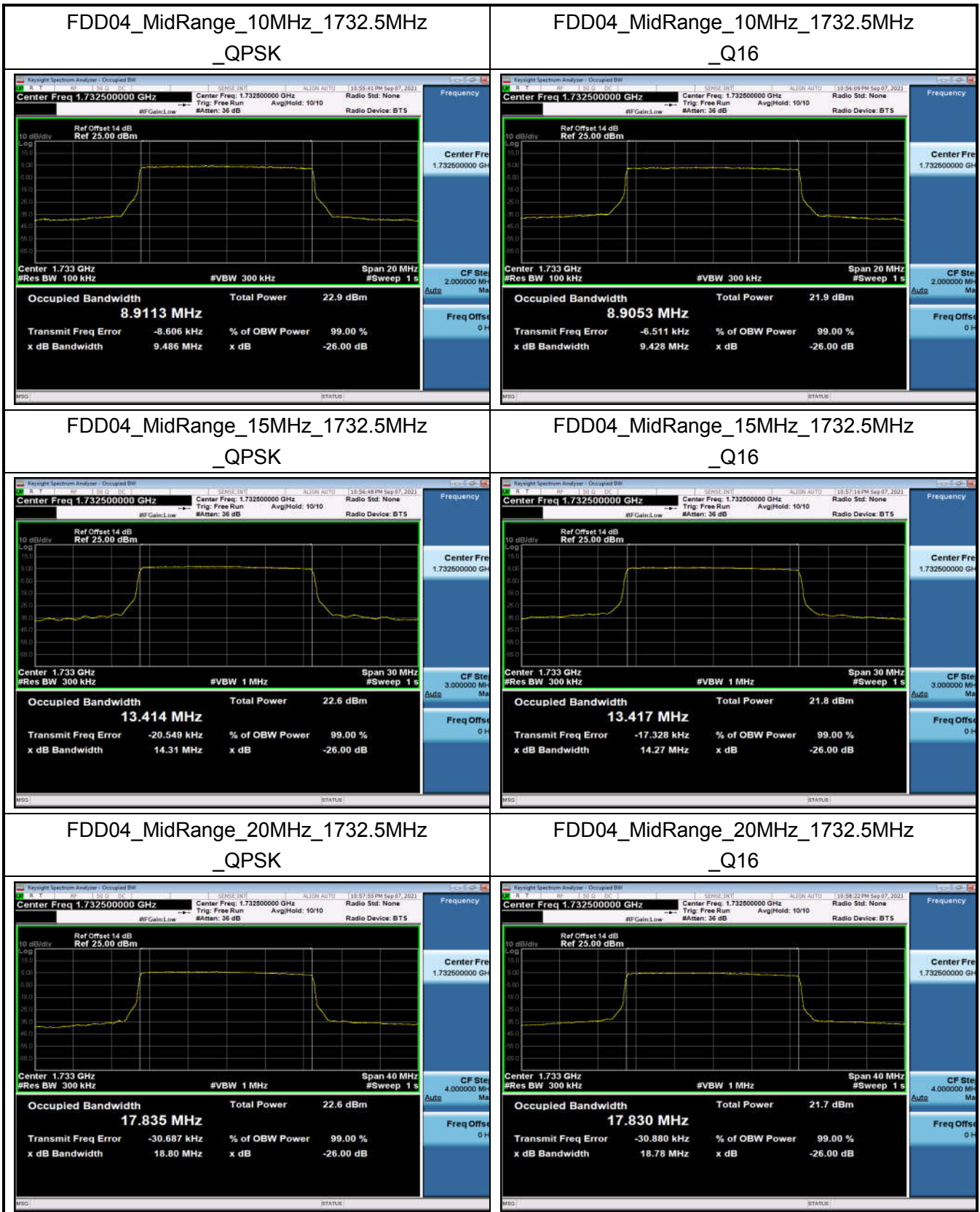


FDD04\_MidRange\_5MHz\_1732.5MHz\_QPSK



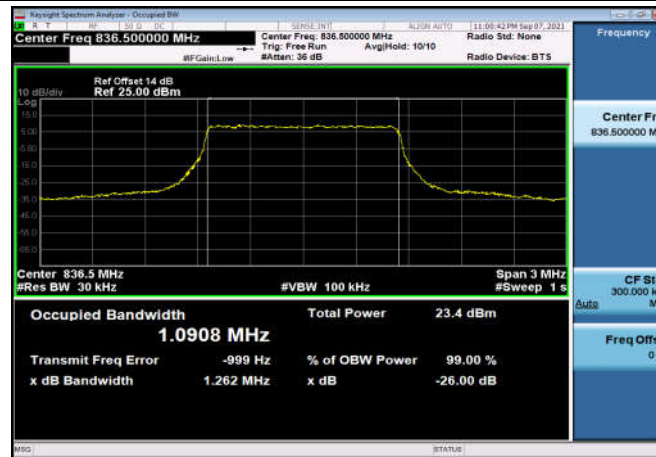
FDD04\_MidRange\_5MHz\_1732.5MHz\_Q16



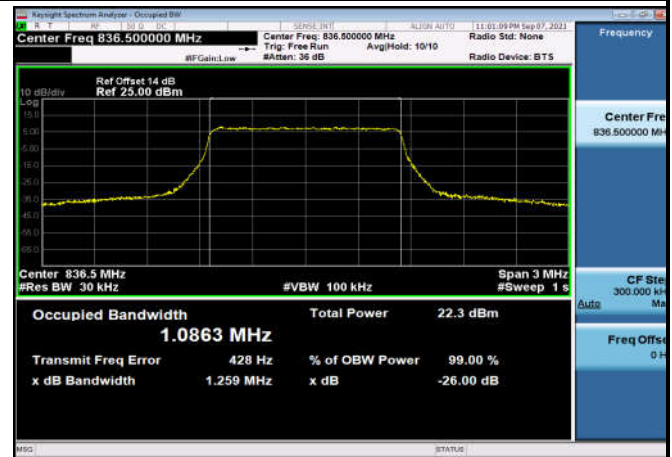




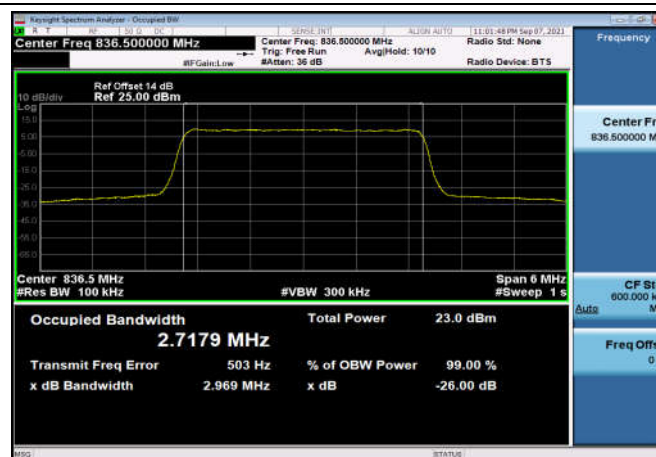
FDD05\_MidRange\_1.4MHz\_836.5MHz\_QPSK



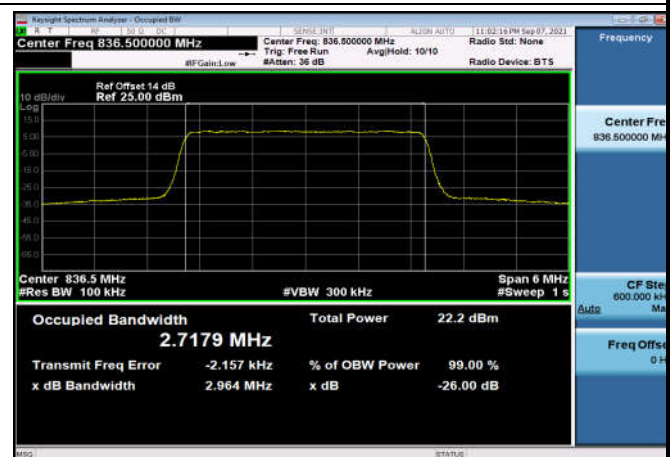
FDD05\_MidRange\_1.4MHz\_836.5MHz\_Q16



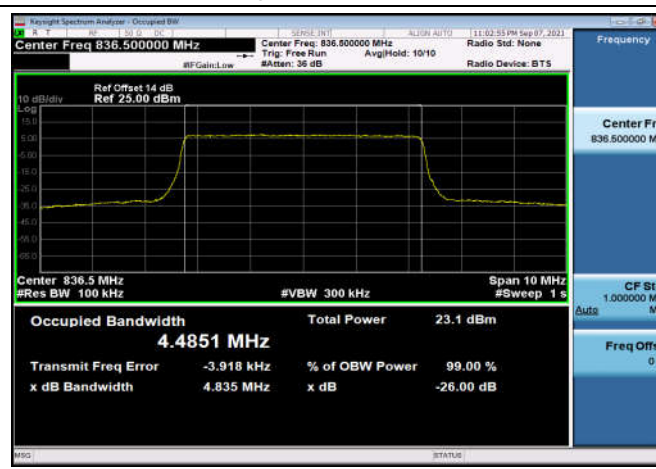
FDD05\_MidRange\_3MHz\_836.5MHz\_QPSK



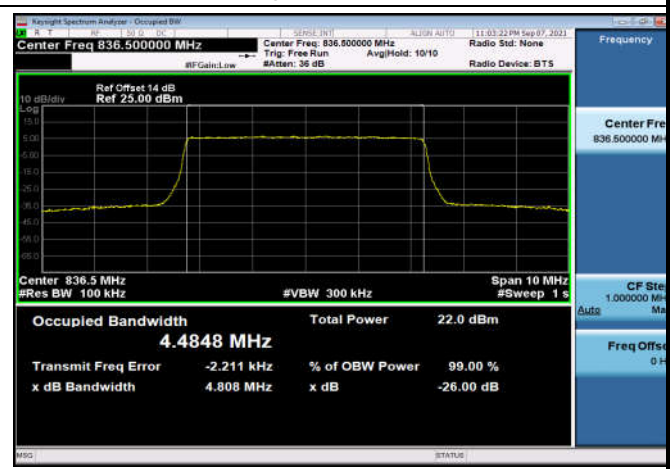
FDD05\_MidRange\_3MHz\_836.5MHz\_Q16



FDD05\_MidRange\_5MHz\_836.5MHz\_QPSK

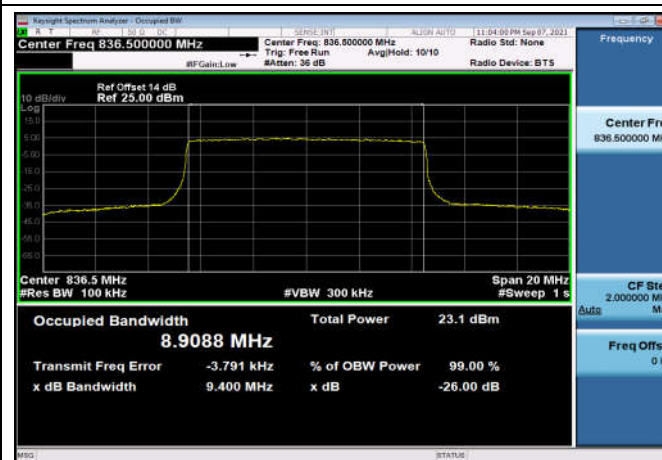


FDD05\_MidRange\_5MHz\_836.5MHz\_Q16

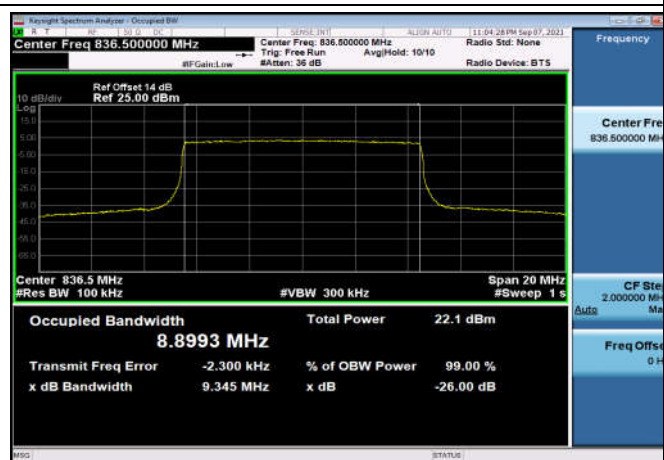




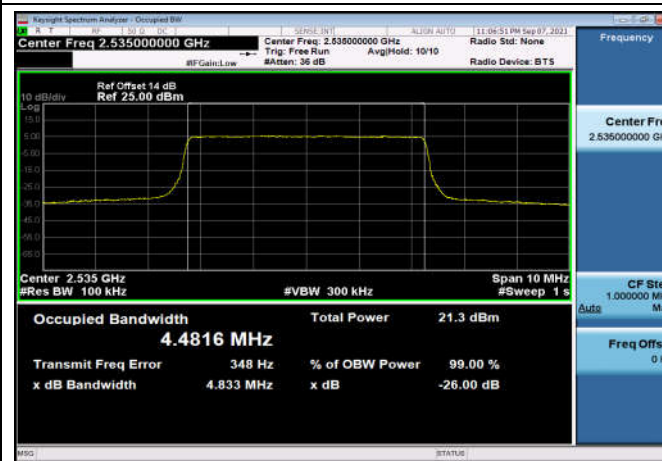
FDD05\_MidRange\_10MHz\_836.5MHz\_QPSK



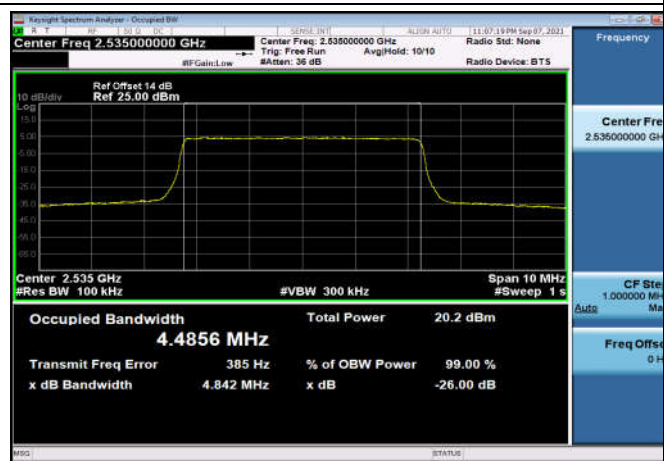
FDD05\_MidRange\_10MHz\_836.5MHz\_Q16



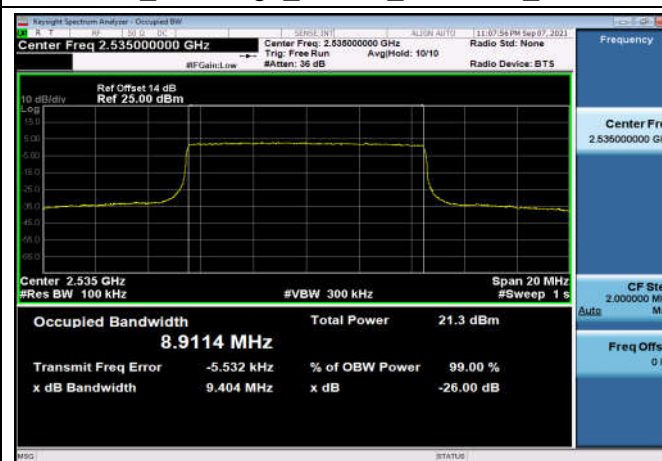
FDD07\_MidRange\_5MHz\_2535MHz\_QPSK



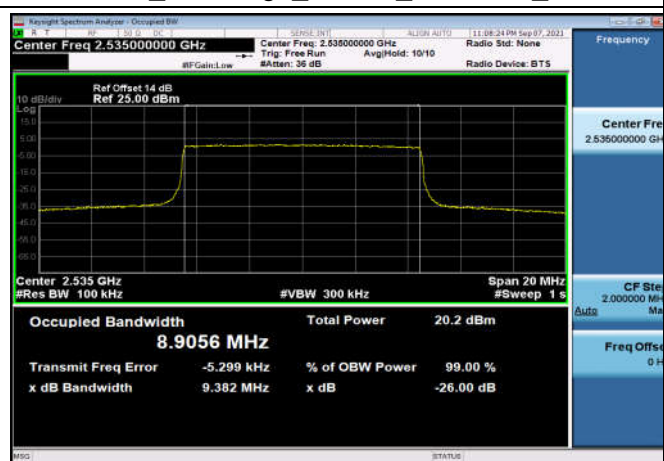
FDD07\_MidRange\_5MHz\_2535MHz\_Q16



FDD07\_MidRange\_10MHz\_2535MHz\_QPSK

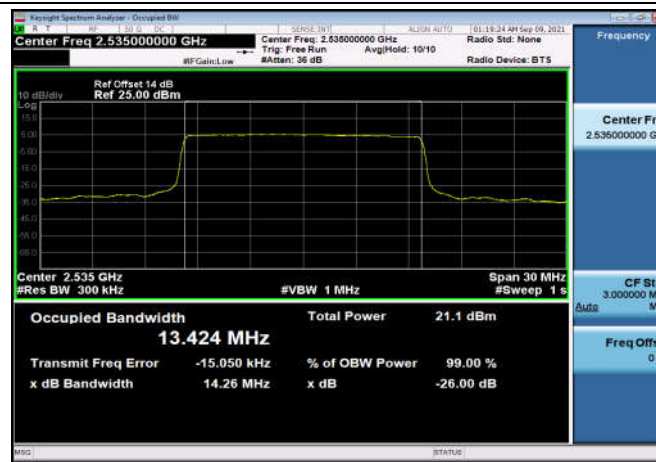


FDD07\_MidRange\_10MHz\_2535MHz\_Q16

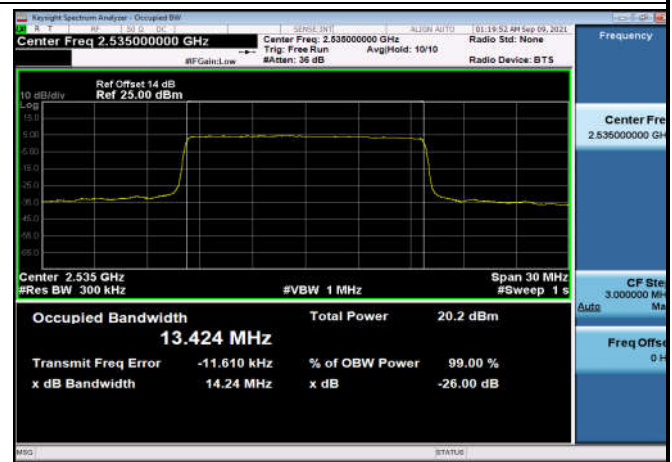




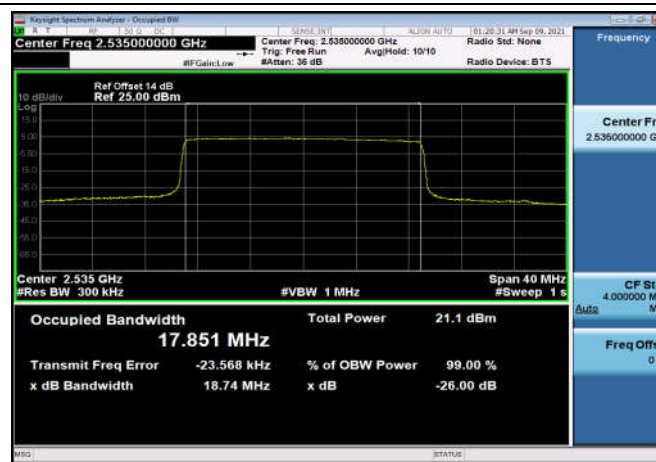
FDD07\_MidRange\_15MHz\_2535MHz\_QPSK



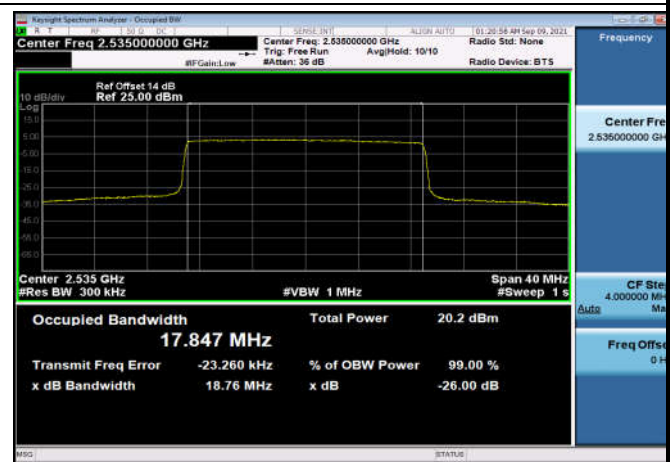
FDD07\_MidRange\_15MHz\_2535MHz\_Q16



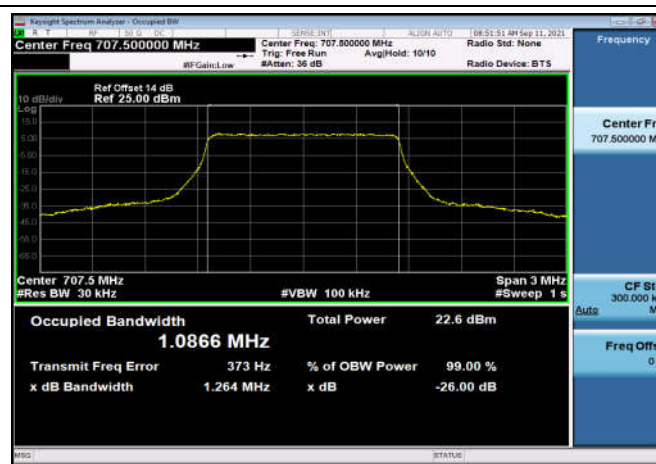
FDD07\_MidRange\_20MHz\_2535MHz\_QPSK



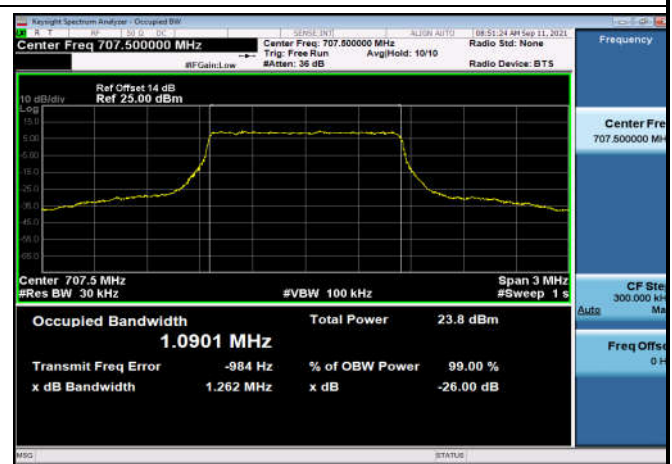
FDD07\_MidRange\_20MHz\_2535MHz\_Q16



FDD12\_MidRange\_1.4MHz\_707.5MHz\_Q16

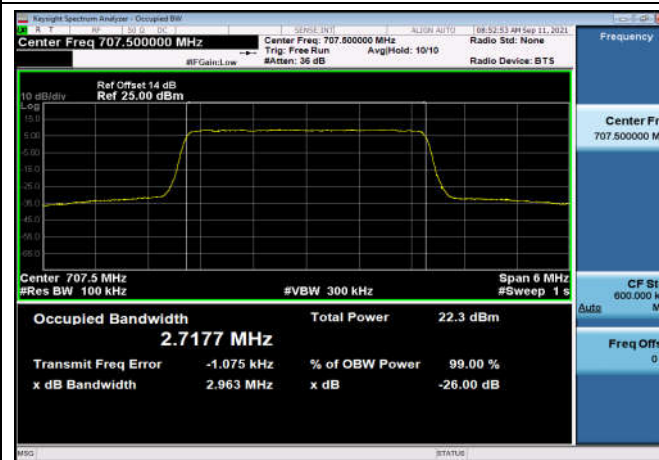


FDD12\_MidRange\_1.4MHz\_707.5MHz\_QPSK

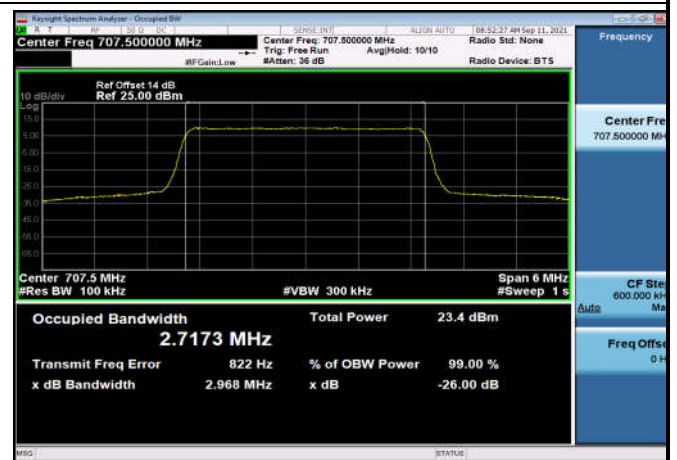




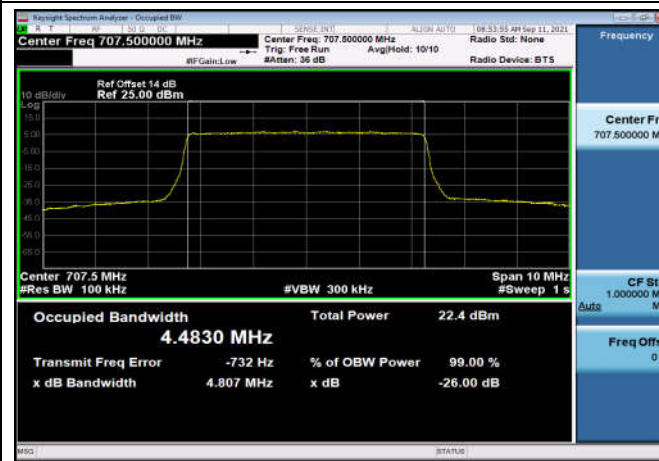
FDD12\_MidRange\_3MHz\_707.5MHz\_Q16



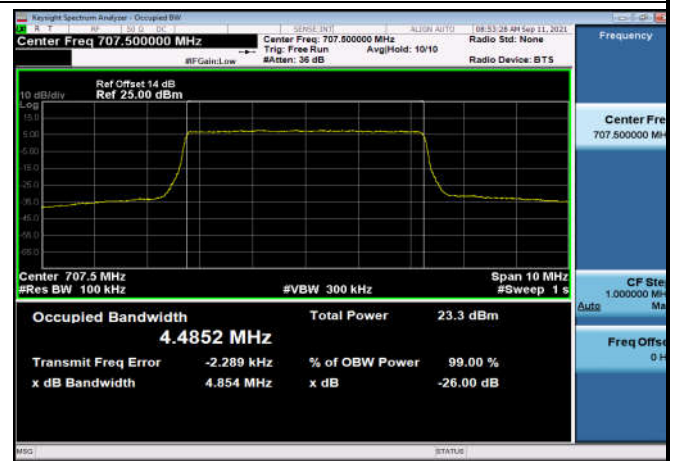
FDD12\_MidRange\_3MHz\_707.5MHz\_QPSK



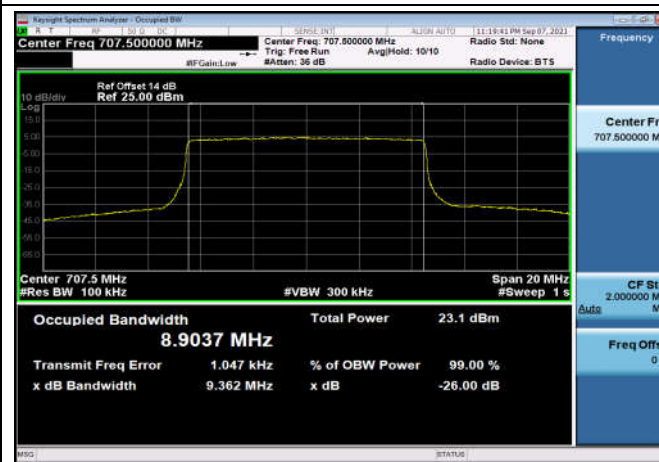
FDD12\_MidRange\_5MHz\_707.5MHz\_Q16



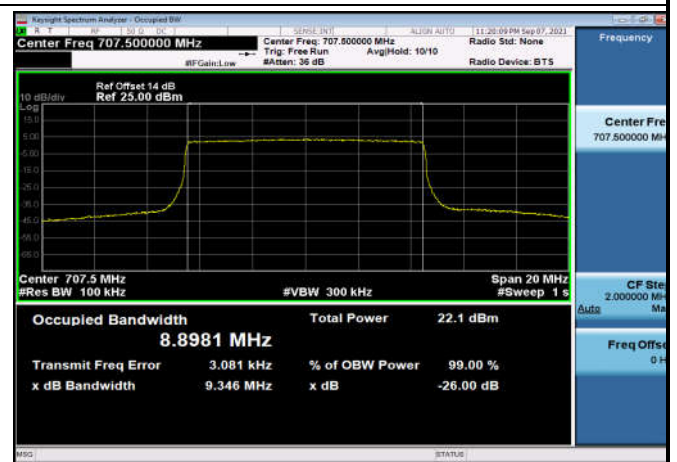
FDD12\_MidRange\_5MHz\_707.5MHz\_QPSK



FDD12\_MidRange\_10MHz\_707.5MHz\_QPSK

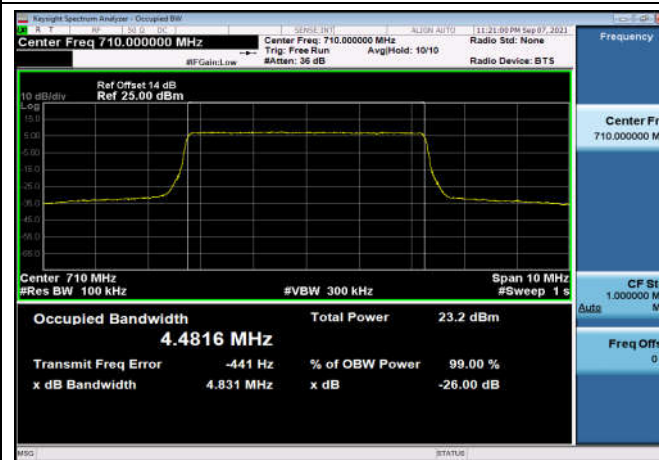


FDD12\_MidRange\_10MHz\_707.5MHz\_Q16

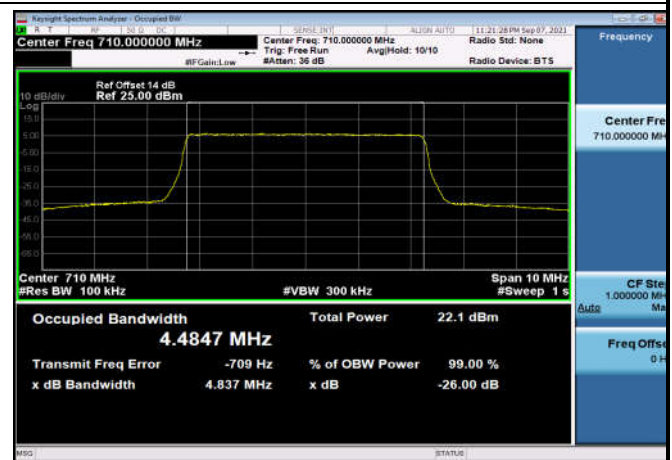




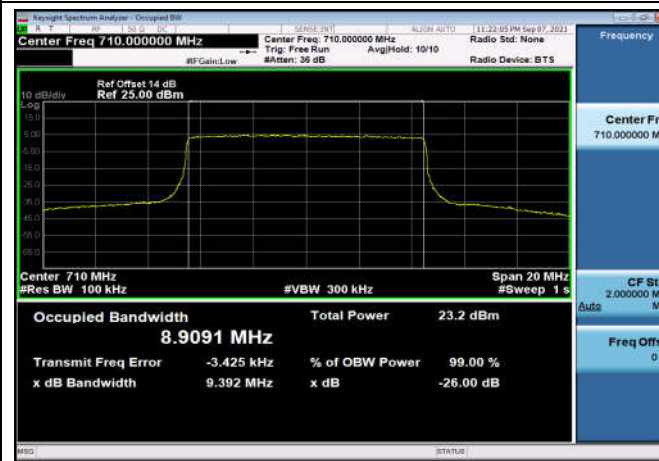
FDD17\_MidRange\_5MHz\_710MHz\_QPSK



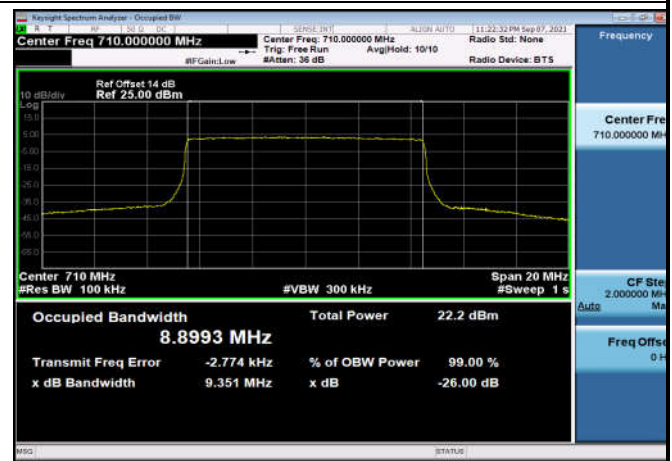
FDD17\_MidRange\_5MHz\_710MHz\_Q16



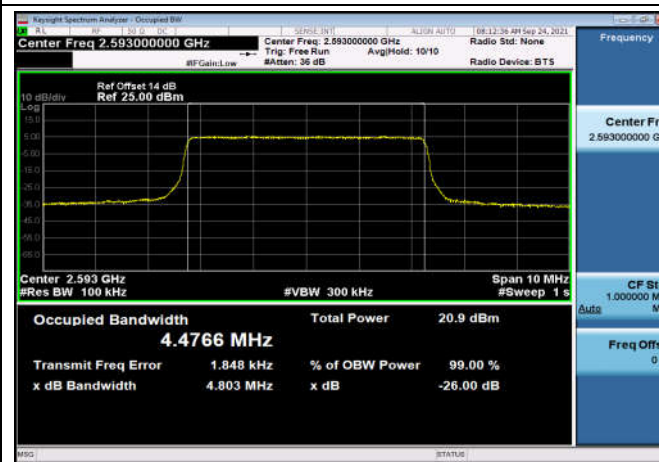
FDD17\_MidRange\_10MHz\_710MHz\_QPSK



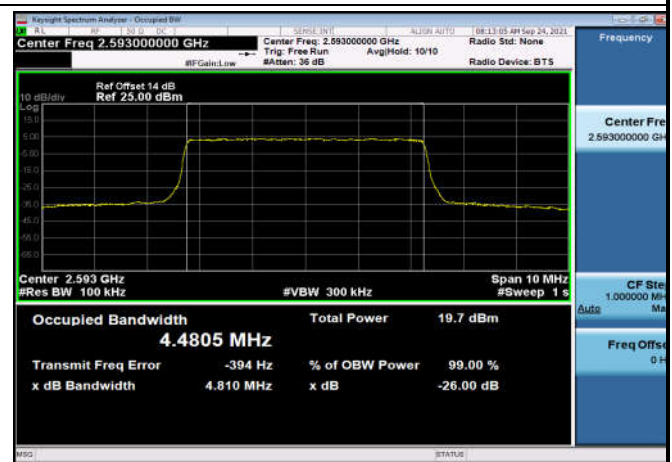
FDD17\_MidRange\_10MHz\_710MHz\_Q16



TDD41\_MidRange\_5MHz\_2593MHz\_QPSK

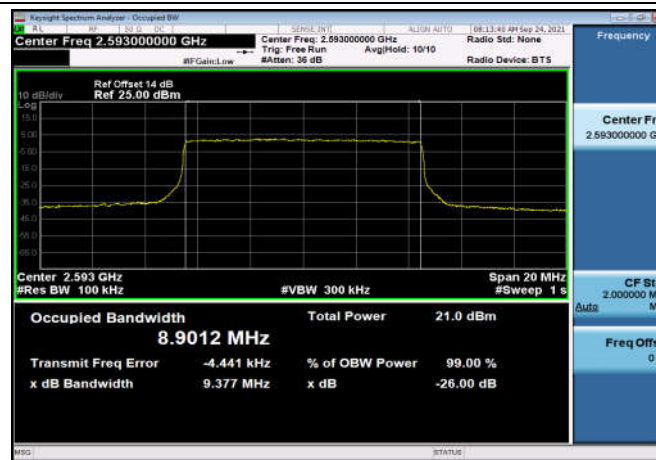


TDD41\_MidRange\_5MHz\_2593MHz\_Q16

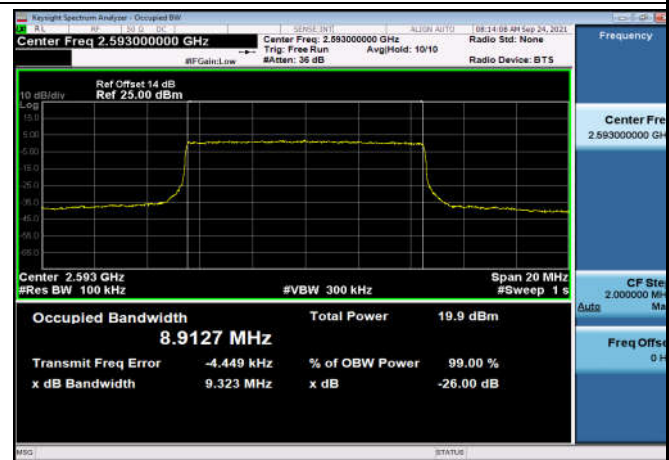




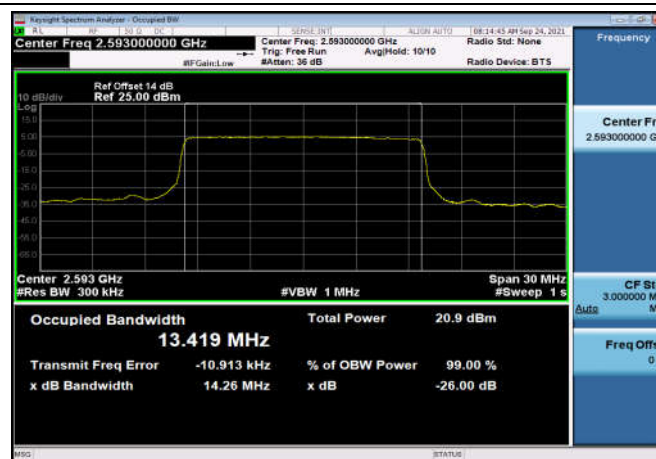
TDD41\_MidRange\_10MHz\_2593MHz\_QPSK



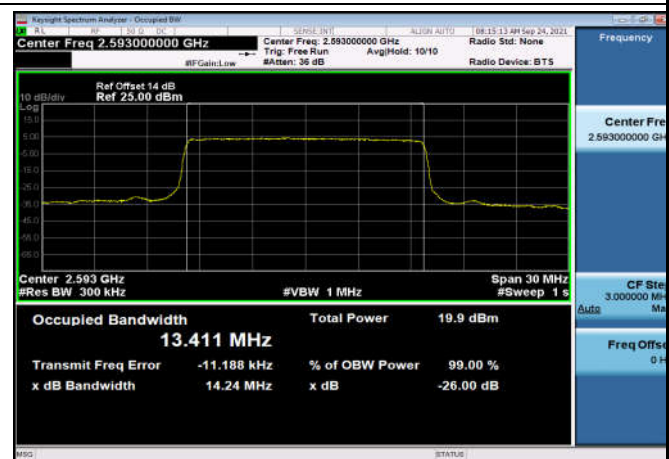
TDD41\_MidRange\_10MHz\_2593MHz\_Q16



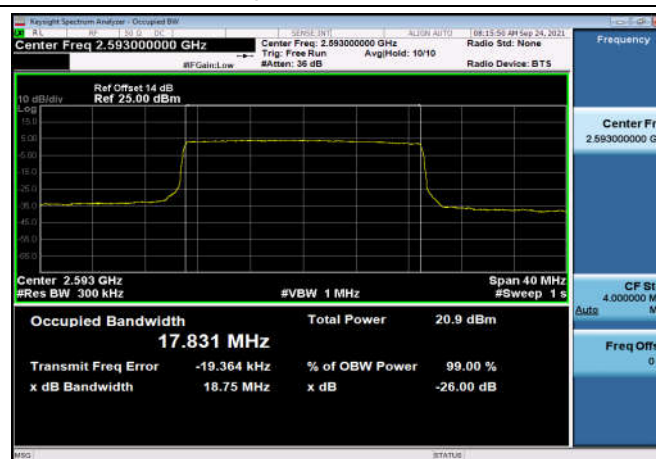
TDD41\_MidRange\_15MHz\_2593MHz\_QPSK



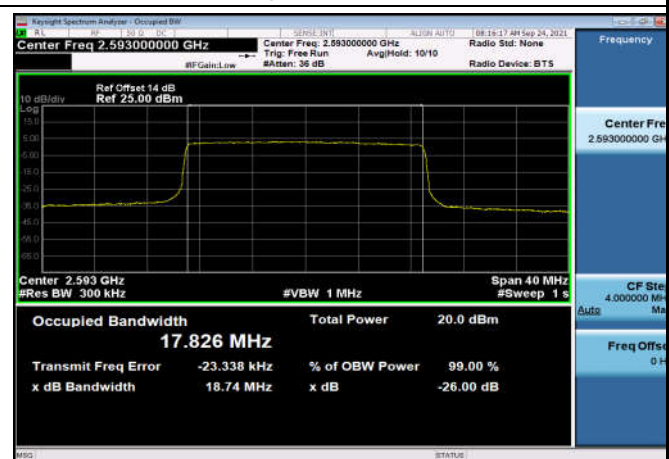
TDD41\_MidRange\_15MHz\_2593MHz\_Q16



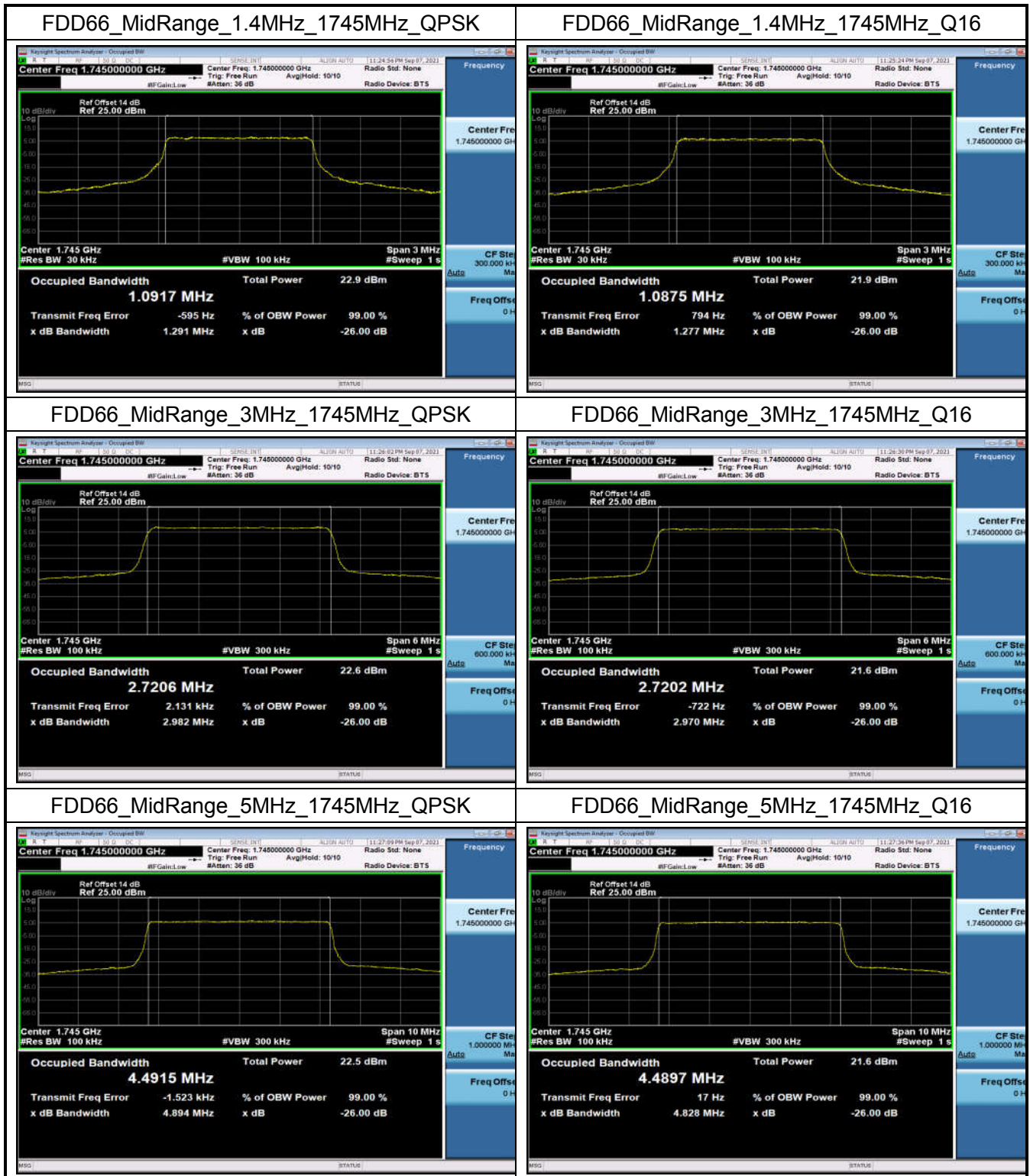
TDD41\_MidRange\_20MHz\_2593MHz\_QPSK



TDD41\_MidRange\_20MHz\_2593MHz\_Q16

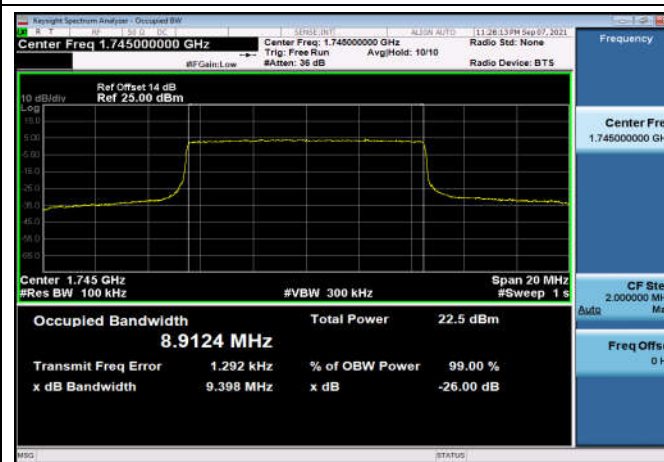




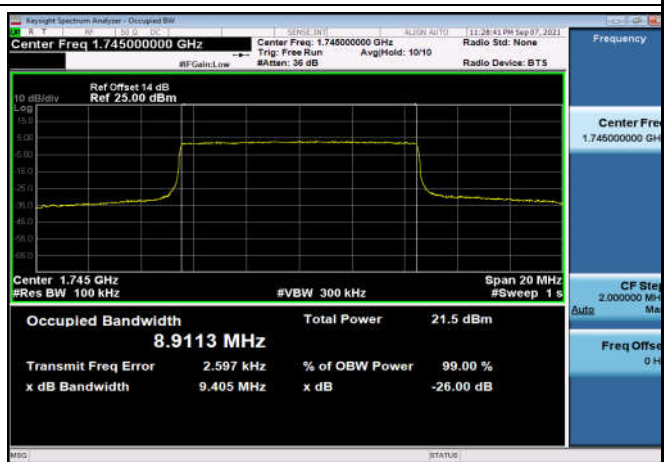




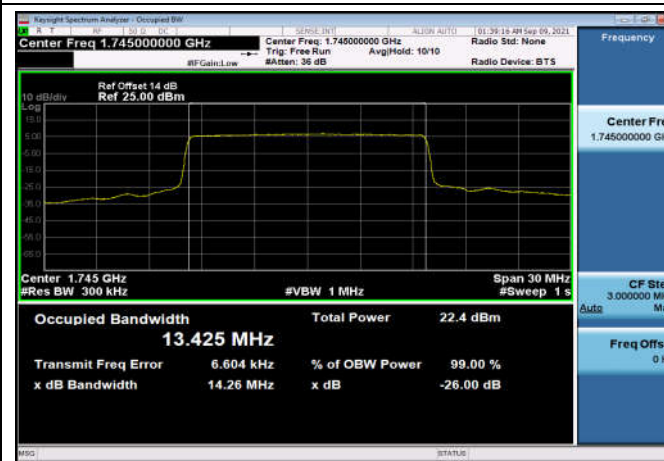
FDD66\_MidRange\_10MHz\_1745MHz\_QPSK



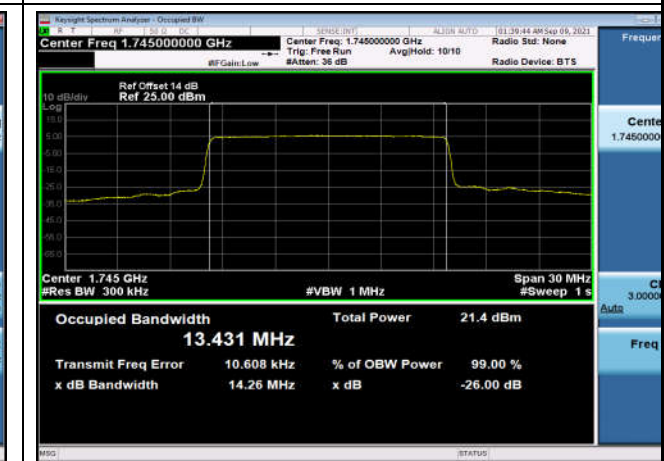
FDD66\_MidRange\_10MHz\_1745MHz\_Q16



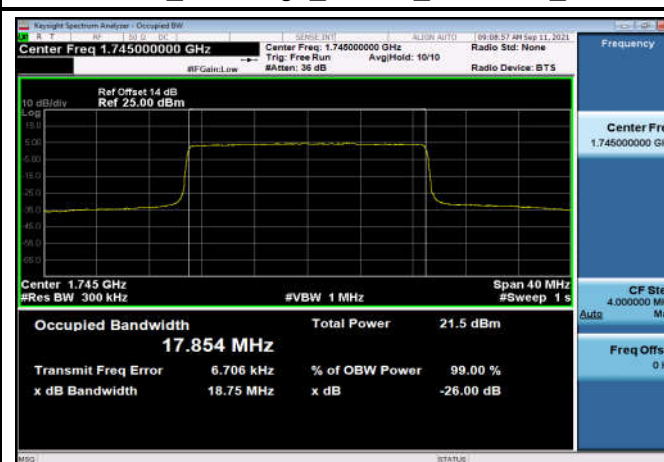
FDD66\_MidRange\_15MHz\_1745MHz\_QPSK



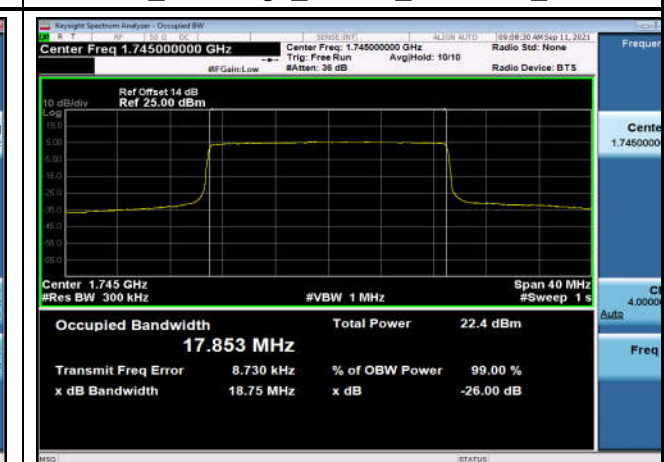
FDD66\_MidRange\_15MHz\_1745MHz\_Q16



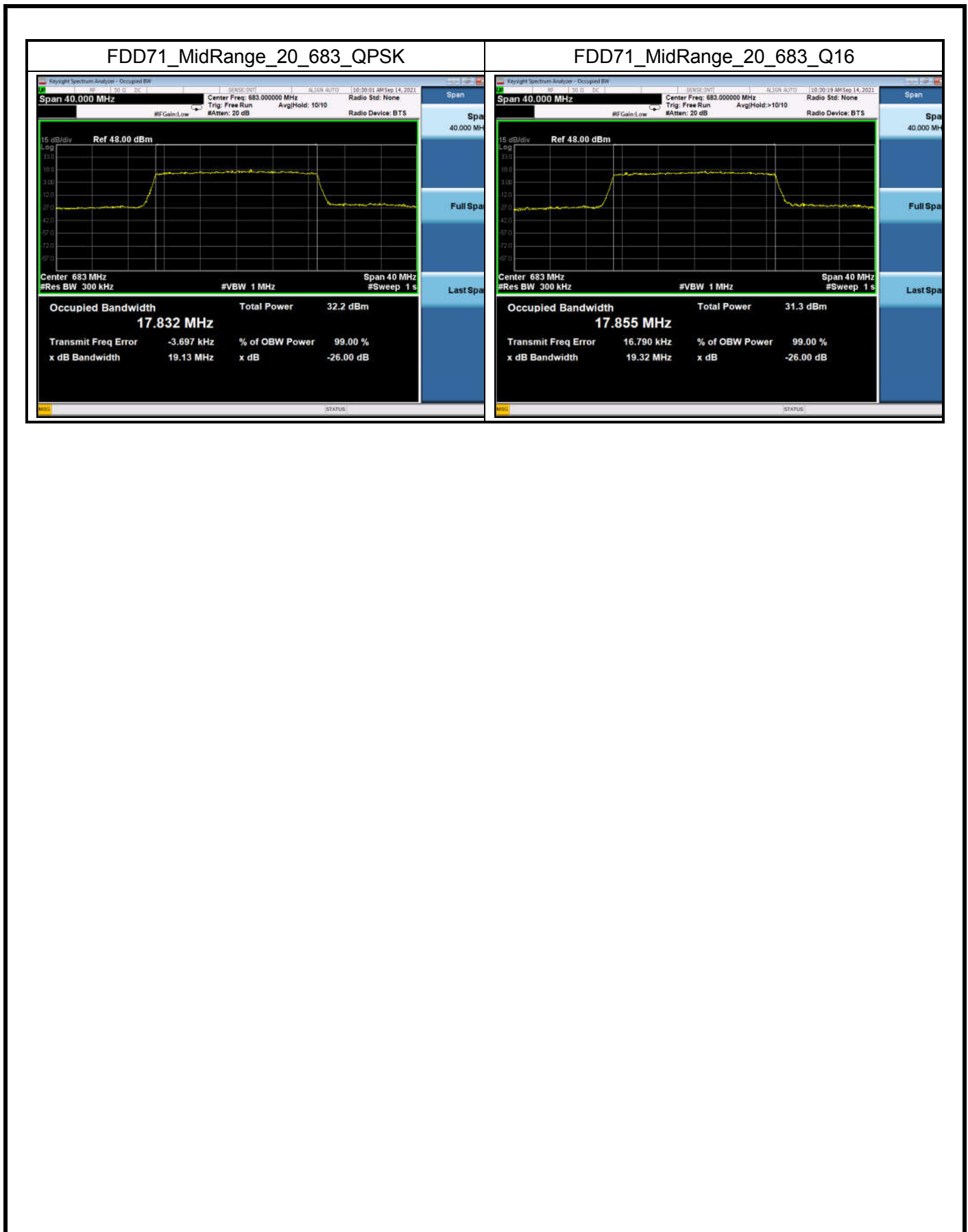
FDD66\_MidRange\_20MHz\_1745MHz\_Q16



FDD66\_MidRange\_20MHz\_1745MHz\_QPSK







**Frequency Stability**

## Test Result and Data

Temperature	Voltage	Band	BandWidth (MHz)	RbMode	Modulation	Frequency Error (ppm)	Limit (ppm)	Result
Normal	Low	FDD02	10	fullIRB	QPSK	0.003	±2.5	Pass
Normal	Normal	FDD02	10	fullIRB	QPSK	0.003	±2.5	Pass
Normal	High	FDD02	10	fullIRB	QPSK	0.003	±2.5	Pass
50	Normal	FDD02	10	fullIRB	QPSK	0.004	±2.5	Pass
40	Normal	FDD02	10	fullIRB	QPSK	0.003	±2.5	Pass
30	Normal	FDD02	10	fullIRB	QPSK	0.002	±2.5	Pass
20	Normal	FDD02	10	fullIRB	QPSK	0.003	±2.5	Pass
10	Normal	FDD02	10	fullIRB	QPSK	0.003	±2.5	Pass
0	Normal	FDD02	10	fullIRB	QPSK	0.003	±2.5	Pass
-10	Normal	FDD02	10	fullIRB	QPSK	0.005	±2.5	Pass
-20	Normal	FDD02	10	fullIRB	QPSK	0.004	±2.5	Pass
-30	Normal	FDD02	10	fullIRB	QPSK	0.004	±2.5	Pass
Normal	Low	FDD04	10	fullIRB	QPSK	0.002	±2.5	Pass
Normal	Normal	FDD04	10	fullIRB	QPSK	0.002	±2.5	Pass
Normal	High	FDD04	10	fullIRB	QPSK	0.002	±2.5	Pass
50	Normal	FDD04	10	fullIRB	QPSK	0.002	±2.5	Pass
40	Normal	FDD04	10	fullIRB	QPSK	0.002	±2.5	Pass
30	Normal	FDD04	10	fullIRB	QPSK	0.001	±2.5	Pass
20	Normal	FDD04	10	fullIRB	QPSK	0.002	±2.5	Pass
10	Normal	FDD04	10	fullIRB	QPSK	0.003	±2.5	Pass
0	Normal	FDD04	10	fullIRB	QPSK	0.002	±2.5	Pass
-10	Normal	FDD04	10	fullIRB	QPSK	0.002	±2.5	Pass
-20	Normal	FDD04	10	fullIRB	QPSK	0.002	±2.5	Pass
-30	Normal	FDD04	10	fullIRB	QPSK	0.001	±2.5	Pass
Normal	Low	FDD05	10	fullIRB	QPSK	0.004	±2.5	Pass
Normal	Normal	FDD05	10	fullIRB	QPSK	0.003	±2.5	Pass
Normal	High	FDD05	10	fullIRB	QPSK	0.004	±2.5	Pass
50	Normal	FDD05	10	fullIRB	QPSK	0.004	±2.5	Pass



40	Normal	FDD05	10	fullIRB	QPSK	0.003	±2.5	Pass
30	Normal	FDD05	10	fullIRB	QPSK	0.003	±2.5	Pass
20	Normal	FDD05	10	fullIRB	QPSK	0.002	±2.5	Pass
10	Normal	FDD05	10	fullIRB	QPSK	0.003	±2.5	Pass
0	Normal	FDD05	10	fullIRB	QPSK	0.002	±2.5	Pass
-10	Normal	FDD05	10	fullIRB	QPSK	0.004	±2.5	Pass
-20	Normal	FDD05	10	fullIRB	QPSK	0.002	±2.5	Pass
-30	Normal	FDD05	10	fullIRB	QPSK	0.003	±2.5	Pass
Normal	Low	FDD07	10	fullIRB	QPSK	0.003	±2.5	Pass
Normal	Normal	FDD07	10	fullIRB	QPSK	0.003	±2.5	Pass
Normal	High	FDD07	10	fullIRB	QPSK	0.003	±2.5	Pass
50	Normal	FDD07	10	fullIRB	QPSK	0.003	±2.5	Pass
40	Normal	FDD07	10	fullIRB	QPSK	0.004	±2.5	Pass
30	Normal	FDD07	10	fullIRB	QPSK	0.004	±2.5	Pass
20	Normal	FDD07	10	fullIRB	QPSK	0.004	±2.5	Pass
10	Normal	FDD07	10	fullIRB	QPSK	0.003	±2.5	Pass
0	Normal	FDD07	10	fullIRB	QPSK	0.003	±2.5	Pass
-10	Normal	FDD07	10	fullIRB	QPSK	0.003	±2.5	Pass
-20	Normal	FDD07	10	fullIRB	QPSK	0.003	±2.5	Pass
-30	Normal	FDD07	10	fullIRB	QPSK	0.003	±2.5	Pass
Normal	Low	FDD12	10	fullIRB	QPSK	0.004	±2.5	Pass
Normal	Normal	FDD12	10	fullIRB	QPSK	0.004	±2.5	Pass
Normal	High	FDD12	10	fullIRB	QPSK	0.004	±2.5	Pass
50	Normal	FDD12	10	fullIRB	QPSK	0.005	±2.5	Pass
40	Normal	FDD12	10	fullIRB	QPSK	0.004	±2.5	Pass
30	Normal	FDD12	10	fullIRB	QPSK	0.004	±2.5	Pass
20	Normal	FDD12	10	fullIRB	QPSK	0.003	±2.5	Pass
10	Normal	FDD12	10	fullIRB	QPSK	0.006	±2.5	Pass
0	Normal	FDD12	10	fullIRB	QPSK	0.003	±2.5	Pass
-10	Normal	FDD12	10	fullIRB	QPSK	0.005	±2.5	Pass
-20	Normal	FDD12	10	fullIRB	QPSK	0.004	±2.5	Pass
-30	Normal	FDD12	10	fullIRB	QPSK	0.003	±2.5	Pass



Normal	Low	FDD17	10	fullIRB	QPSK	0.002	$\pm 2.5$	Pass
Normal	Normal	FDD17	10	fullIRB	QPSK	0.002	$\pm 2.5$	Pass
Normal	High	FDD17	10	fullIRB	QPSK	0.004	$\pm 2.5$	Pass
50	Normal	FDD17	10	fullIRB	QPSK	0.003	$\pm 2.5$	Pass
40	Normal	FDD17	10	fullIRB	QPSK	0.002	$\pm 2.5$	Pass
30	Normal	FDD17	10	fullIRB	QPSK	0.004	$\pm 2.5$	Pass
20	Normal	FDD17	10	fullIRB	QPSK	0.004	$\pm 2.5$	Pass
10	Normal	FDD17	10	fullIRB	QPSK	0.003	$\pm 2.5$	Pass
0	Normal	FDD17	10	fullIRB	QPSK	0.003	$\pm 2.5$	Pass
-10	Normal	FDD17	10	fullIRB	QPSK	0.004	$\pm 2.5$	Pass
-20	Normal	FDD17	10	fullIRB	QPSK	0.003	$\pm 2.5$	Pass
-30	Normal	FDD17	10	fullIRB	QPSK	0.003	$\pm 2.5$	Pass
Normal	Low	TDD41	10	fullIRB	QPSK	0.003	$\pm 2.5$	Pass
Normal	Normal	TDD41	10	fullIRB	QPSK	0.004	$\pm 2.5$	Pass
Normal	High	TDD41	10	fullIRB	QPSK	0.003	$\pm 2.5$	Pass
50	Normal	TDD41	10	fullIRB	QPSK	0.003	$\pm 2.5$	Pass
40	Normal	TDD41	10	fullIRB	QPSK	0.003	$\pm 2.5$	Pass
30	Normal	TDD41	10	fullIRB	QPSK	0.005	$\pm 2.5$	Pass
20	Normal	TDD41	10	fullIRB	QPSK	0.003	$\pm 2.5$	Pass
10	Normal	TDD41	10	fullIRB	QPSK	0.003	$\pm 2.5$	Pass
0	Normal	TDD41	10	fullIRB	QPSK	0.004	$\pm 2.5$	Pass
-10	Normal	TDD41	10	fullIRB	QPSK	0.004	$\pm 2.5$	Pass
-20	Normal	TDD41	10	fullIRB	QPSK	0.003	$\pm 2.5$	Pass
Normal	Low	FDD66	10	fullIRB	QPSK	0.003	$\pm 2.5$	Pass
Normal	Normal	FDD66	10	fullIRB	QPSK	0.004	$\pm 2.5$	Pass
Normal	High	FDD66	10	fullIRB	QPSK	0.003	$\pm 2.5$	Pass
50	Normal	FDD66	10	fullIRB	QPSK	0.003	$\pm 2.5$	Pass
40	Normal	FDD66	10	fullIRB	QPSK	0.003	$\pm 2.5$	Pass
30	Normal	FDD66	10	fullIRB	QPSK	0.005	$\pm 2.5$	Pass
20	Normal	FDD66	10	fullIRB	QPSK	0.003	$\pm 2.5$	Pass
10	Normal	FDD66	10	fullIRB	QPSK	0.003	$\pm 2.5$	Pass
0	Normal	FDD66	10	fullIRB	QPSK	0.004	$\pm 2.5$	Pass



-10	Normal	FDD66	10	fullIRB	QPSK	0.004	$\pm 2.5$	Pass
-20	Normal	FDD66	10	fullIRB	QPSK	0.003	$\pm 2.5$	Pass
Normal	Low	FDD71	10	fullIRB	QPSK	0.002	$\pm 2.5$	Pass
Normal	Normal	FDD71	10	fullIRB	QPSK	0.003	$\pm 2.5$	Pass
Normal	High	FDD71	10	fullIRB	QPSK	0.002	$\pm 2.5$	Pass
50	Normal	FDD71	10	fullIRB	QPSK	0.004	$\pm 2.5$	Pass
40	Normal	FDD71	10	fullIRB	QPSK	0.004	$\pm 2.5$	Pass
30	Normal	FDD71	10	fullIRB	QPSK	0.004	$\pm 2.5$	Pass
20	Normal	FDD71	10	fullIRB	QPSK	0.003	$\pm 2.5$	Pass
10	Normal	FDD71	10	fullIRB	QPSK	0.002	$\pm 2.5$	Pass
0	Normal	FDD71	10	fullIRB	QPSK	0.003	$\pm 2.5$	Pass
-10	Normal	FDD71	10	fullIRB	QPSK	0.002	$\pm 2.5$	Pass
-20	Normal	FDD71	10	fullIRB	QPSK	0.002	$\pm 2.5$	Pass

Note: 1. Normal=3.85V, Low=3.5V, High=4.2V

2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

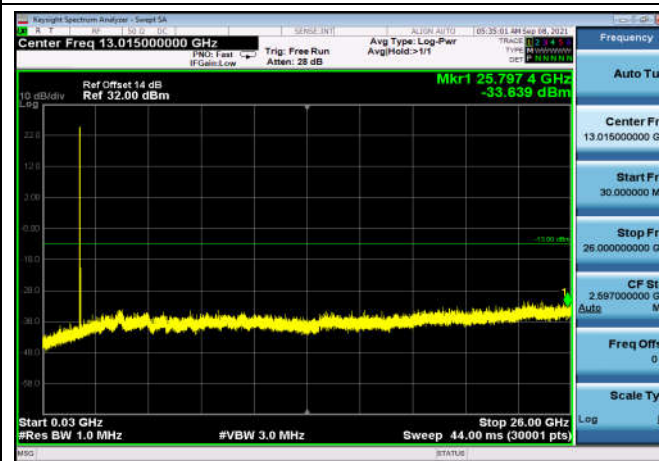




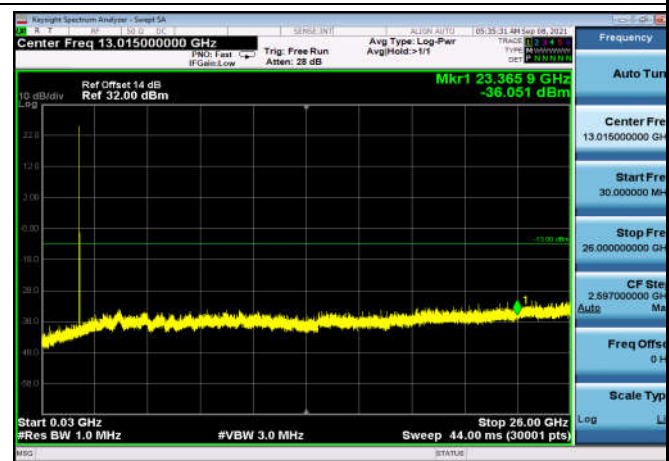
# Conducted Out of Band Emissions

## Test Result and Data

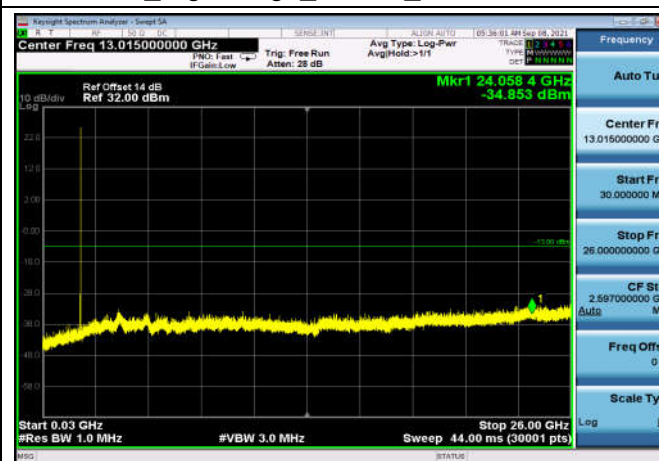
FDD02\_LowRange\_20MHz\_30MHz~26GHz



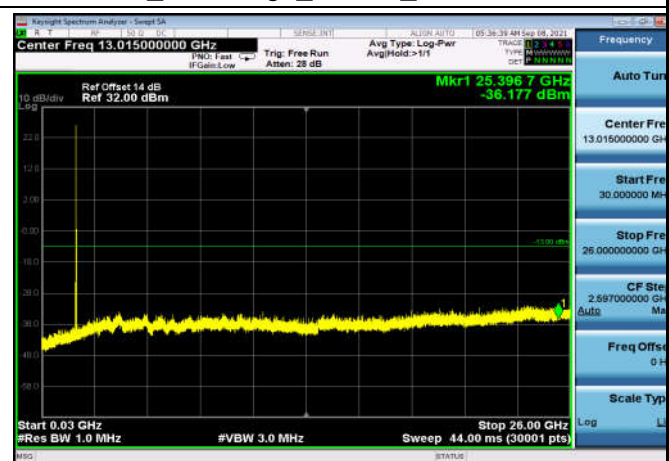
FDD02\_MidRange\_20MHz\_30MHz~26GHz



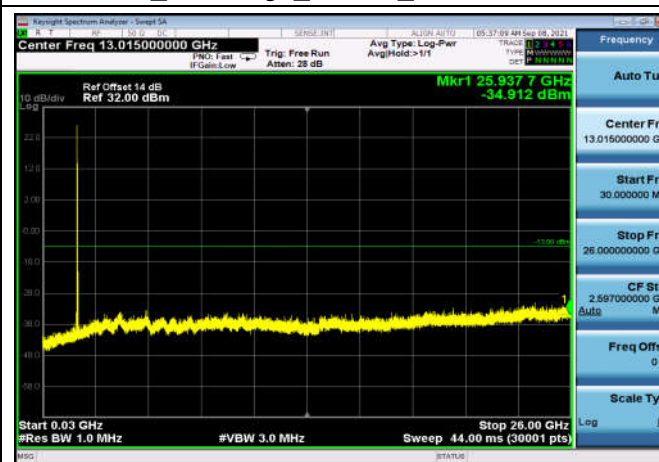
FDD02\_HighRange\_20MHz\_30MHz~26GHz



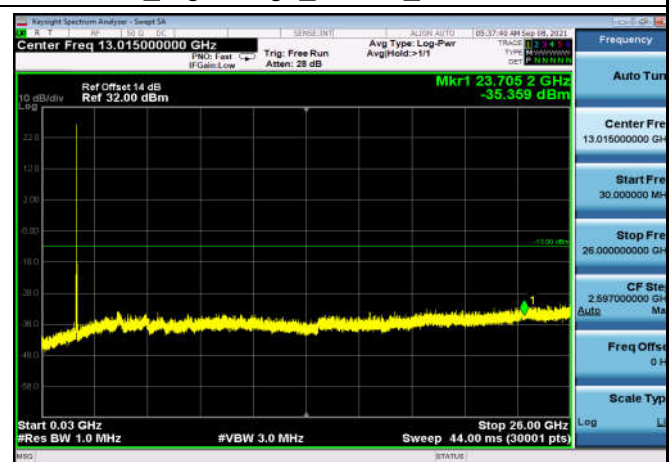
FDD04\_LowRange\_20MHz\_30MHz~26GHz

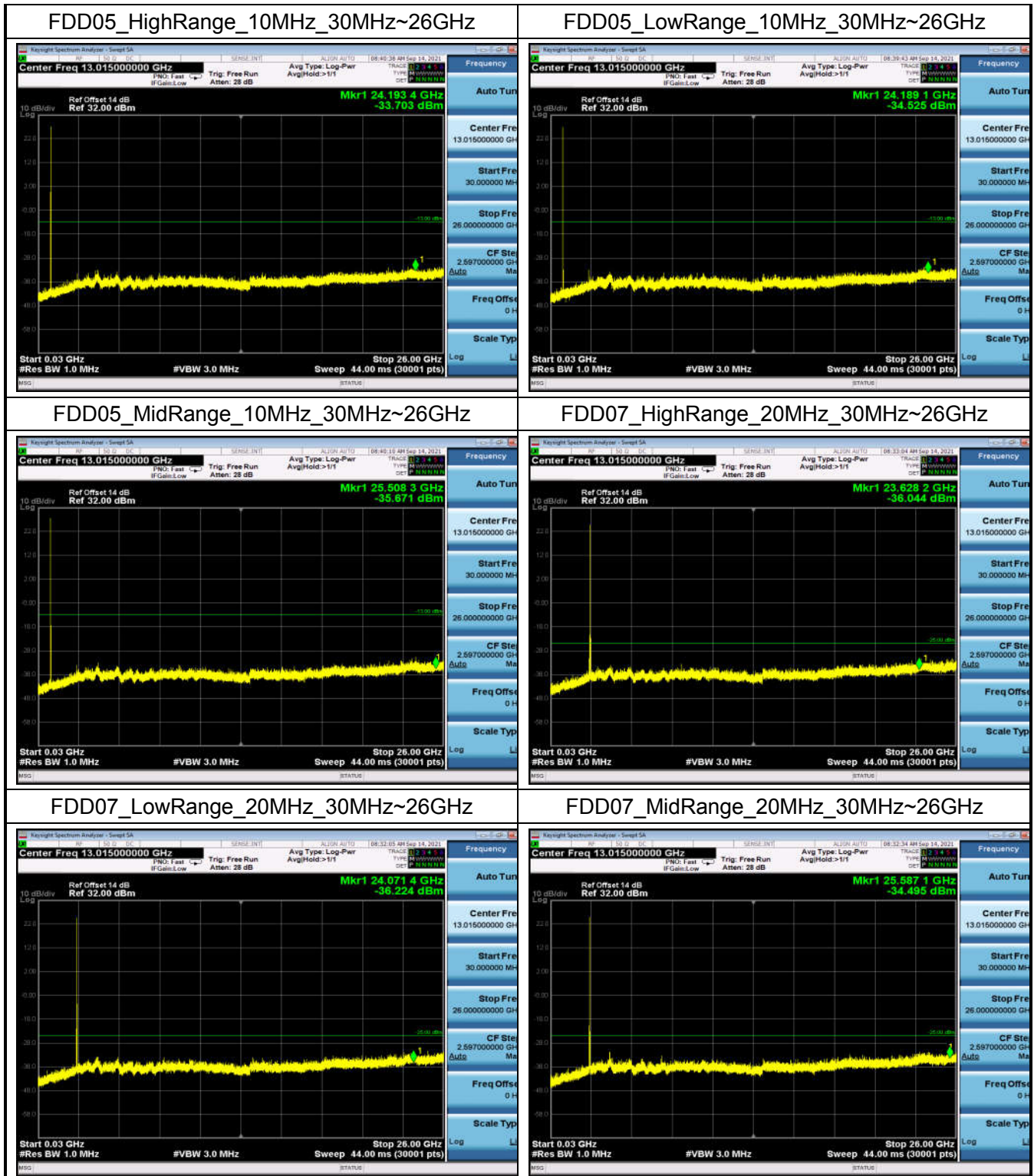


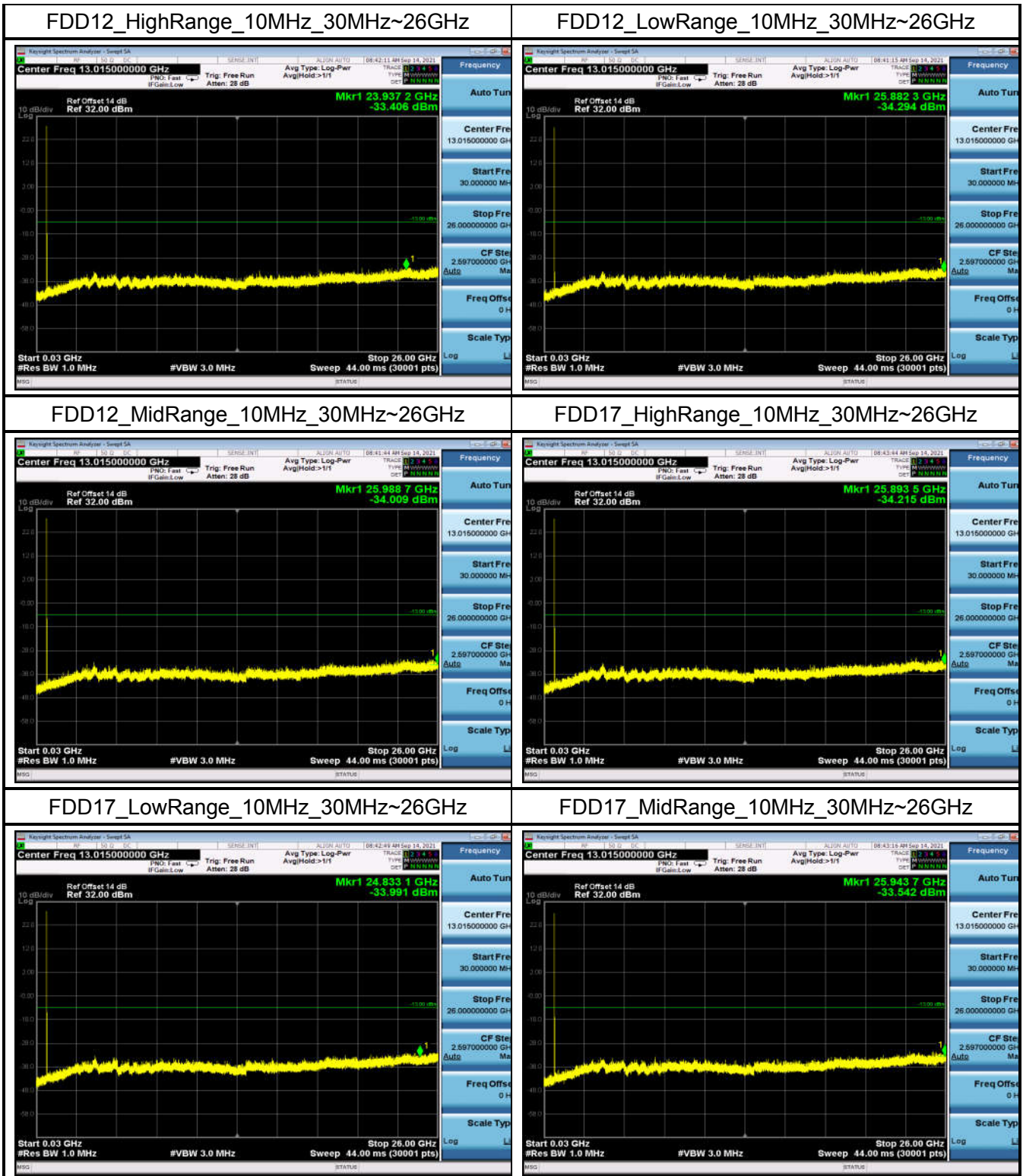
FDD04\_MidRange\_20MHz\_30MHz~26GHz



FDD04\_HighRange\_20MHz\_30MHz~26GHz

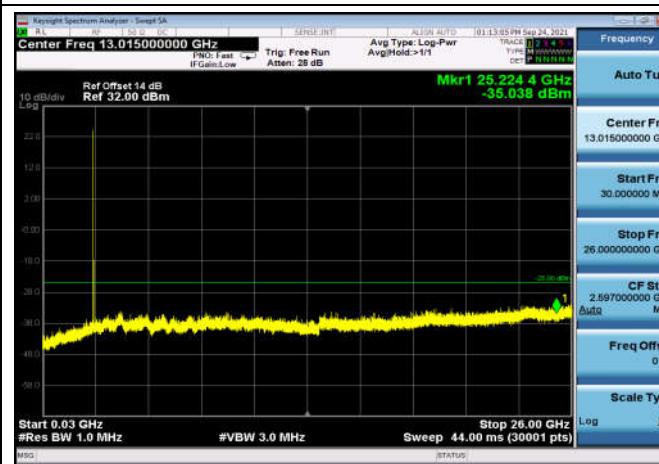




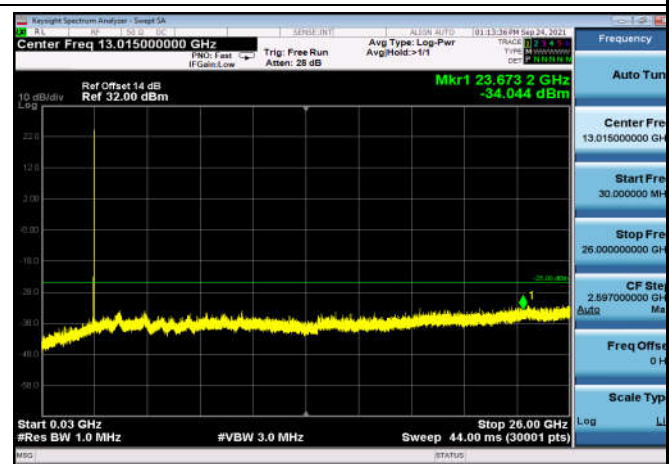




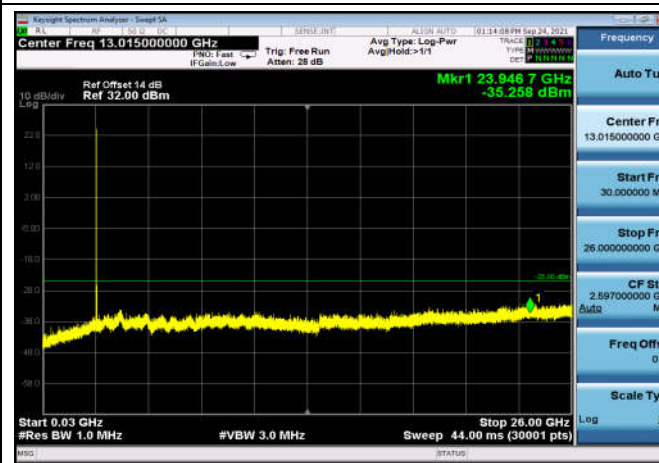
TDD41\_LowRange\_10MHz\_30MHz~26GHz



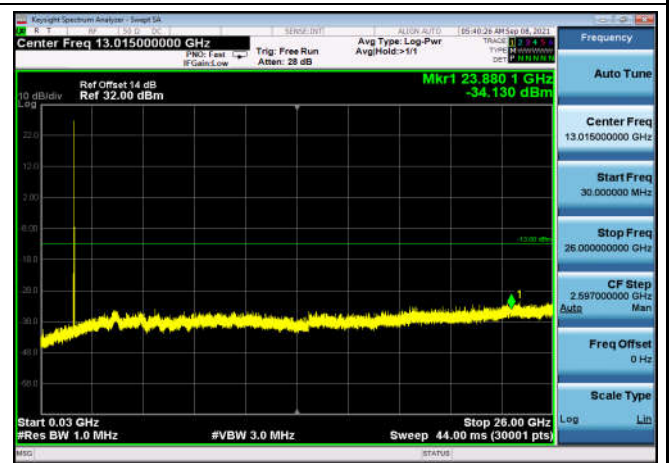
TDD41\_MidRange\_10MHz\_30MHz~26GHz



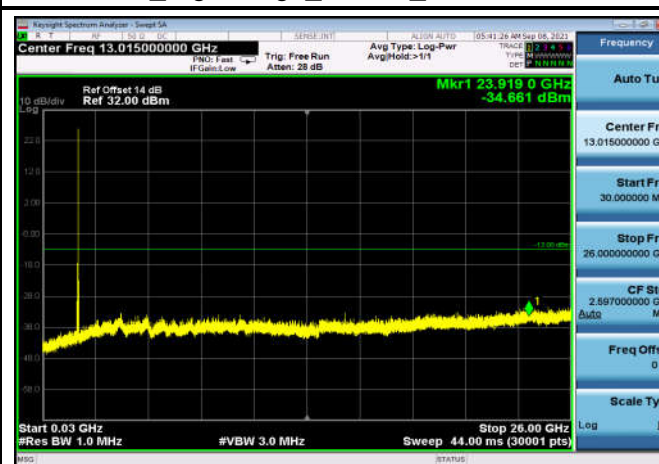
TDD41\_HighRange\_10MHz\_30MHz~26GHz



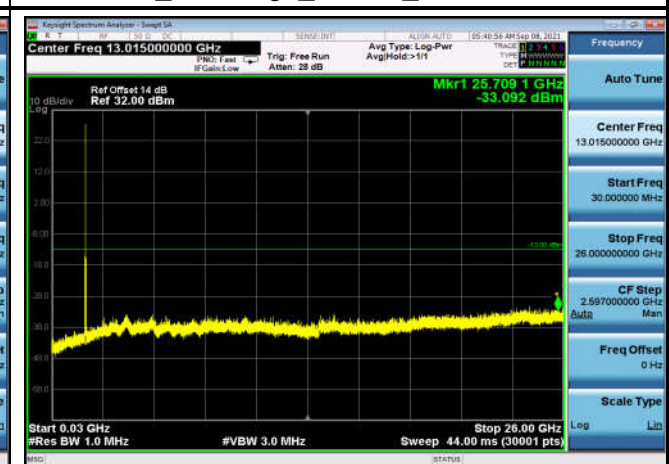
FDD66\_LowRange\_20MHz\_30MHz~26GHz



FDD66\_HighRange\_20MHz\_30MHz~26GHz

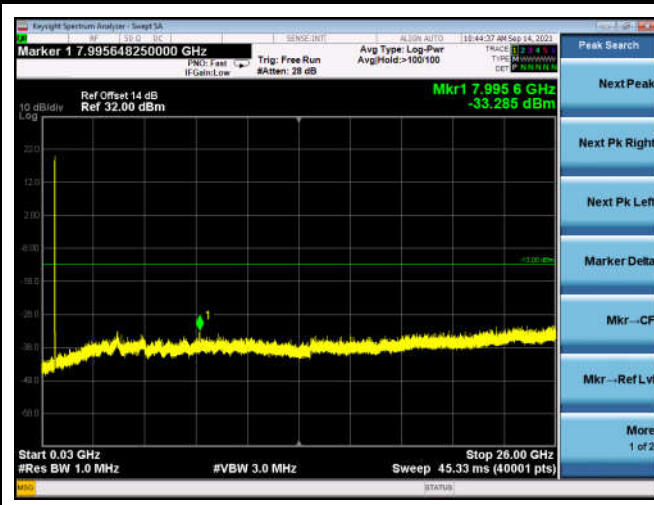


FDD66\_MidRange\_20MHz\_30MHz~26GHz

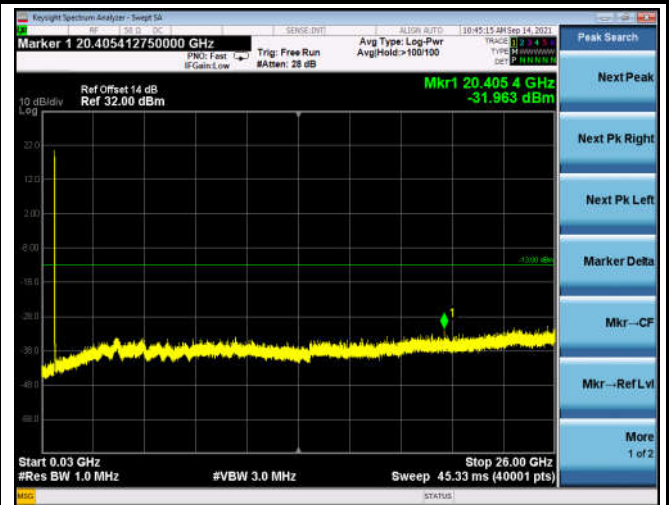




### FDD71\_LowRange\_20MHz\_30MHz~26GHz



### FDD71\_HighRange\_20MHz\_30MHz~26GHz



### FDD71\_MidRange\_20MHz\_30MHz~26GHz





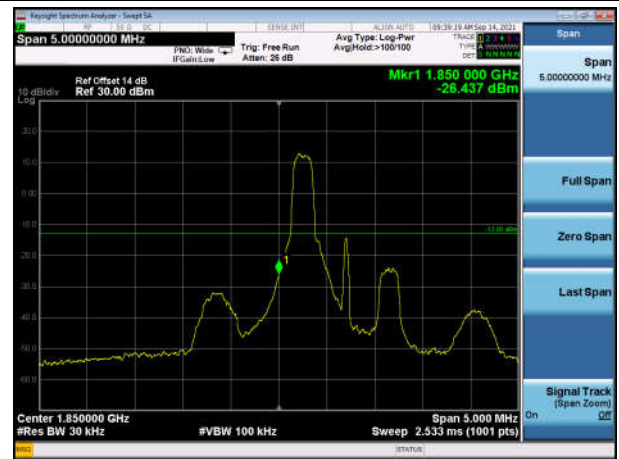
# Conducted Band Edge

## Test Result and Data

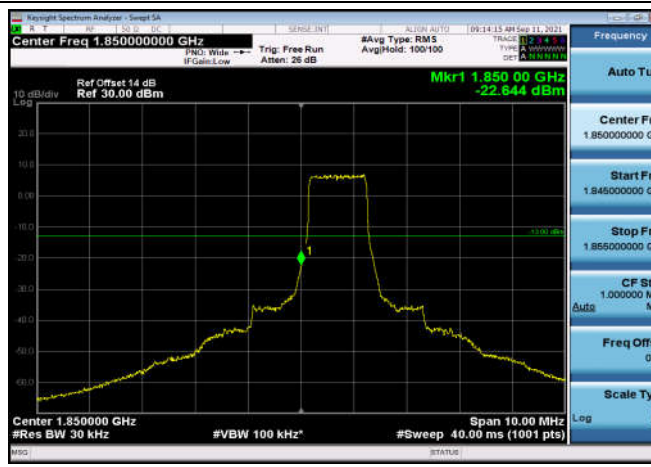
LowRange\_FDD02\_1.4MHz\_1850.7\_OneRB  
\_low\_QPSK



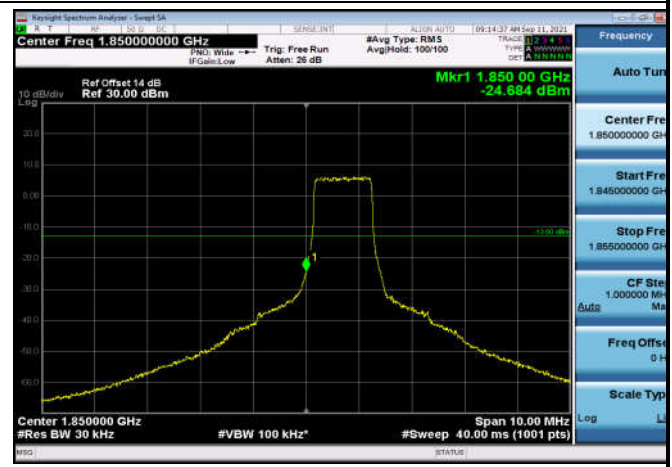
LowRange\_FDD02\_1.4MHz\_1850.7\_OneRB  
\_low\_Q16



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

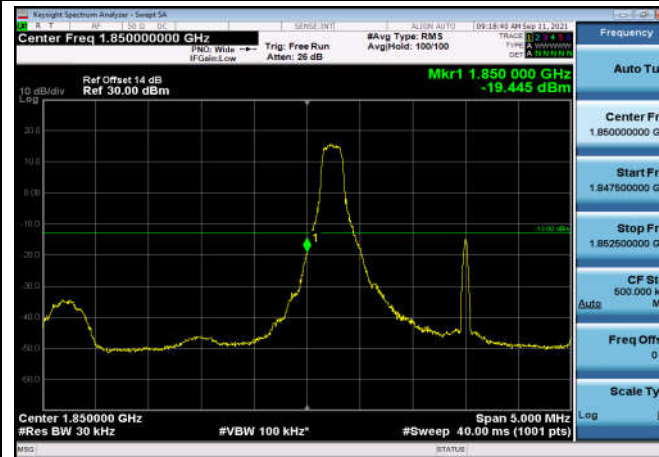


LowRange\_FDD02\_1.4MHz\_1850.7\_fullIRB  
\_Low\_Q16

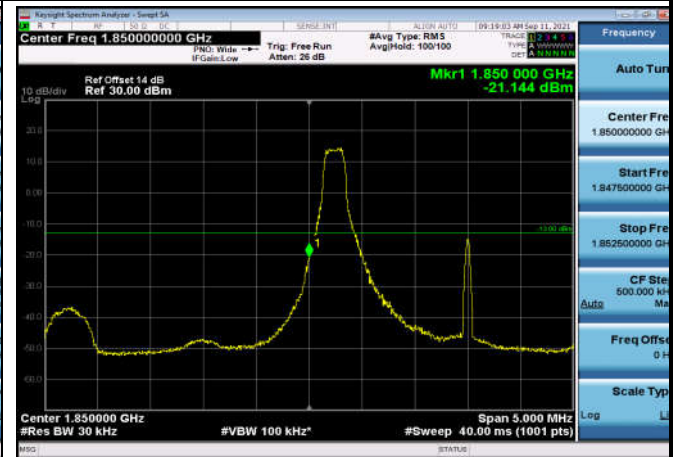




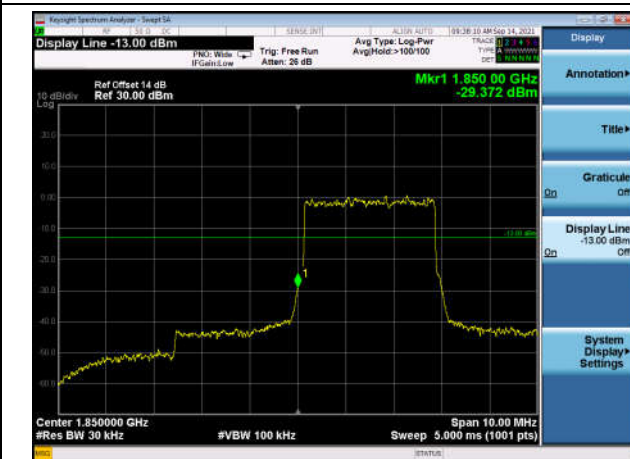
LowRange\_FDD02\_3MHz\_1851.5\_OneRB  
\_low\_QPSK



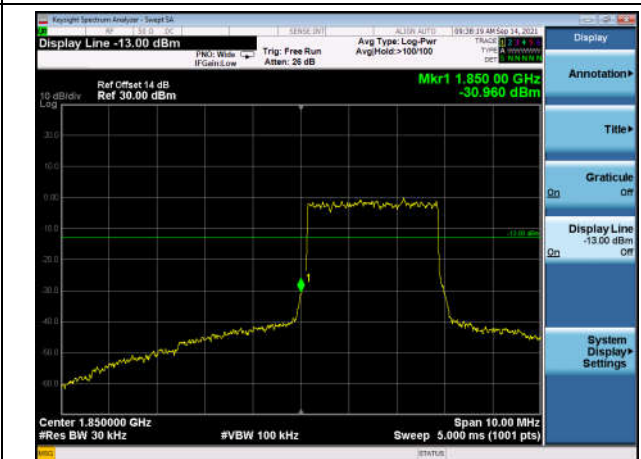
LowRange\_FDD02\_3MHz\_1851.5\_OneRB  
\_low\_Q16



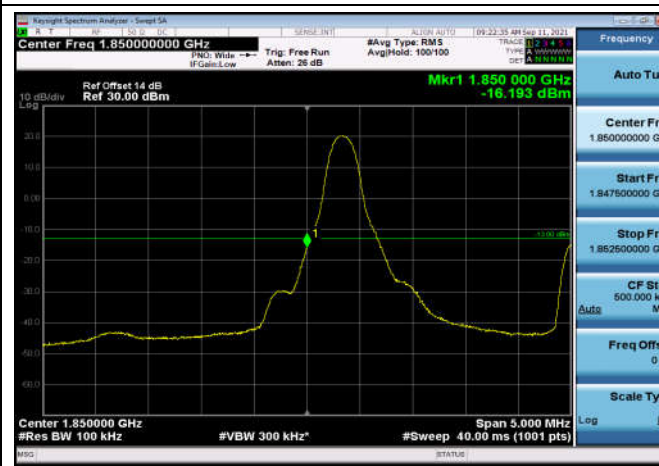
LowRange\_FDD02\_3MHz\_1851.5\_fullIRB  
\_Low\_QPSK



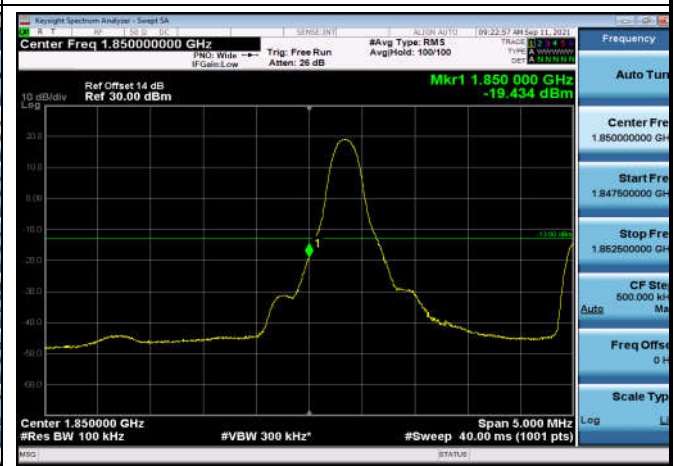
LowRange\_FDD02\_3MHz\_1851.5\_fullIRB  
\_Low\_Q16

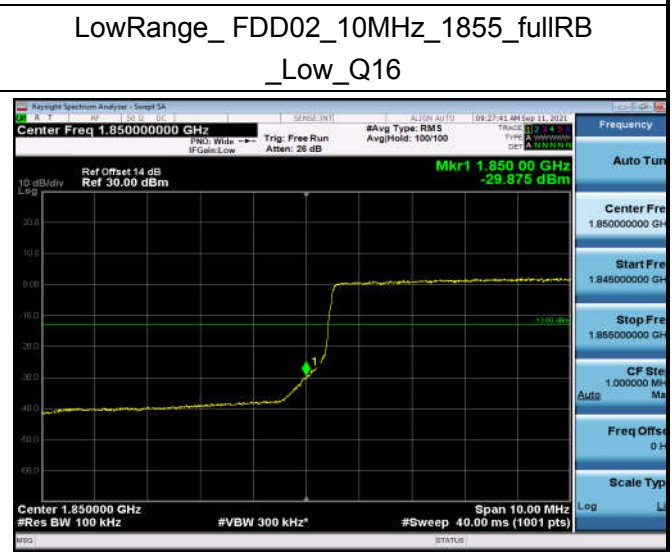
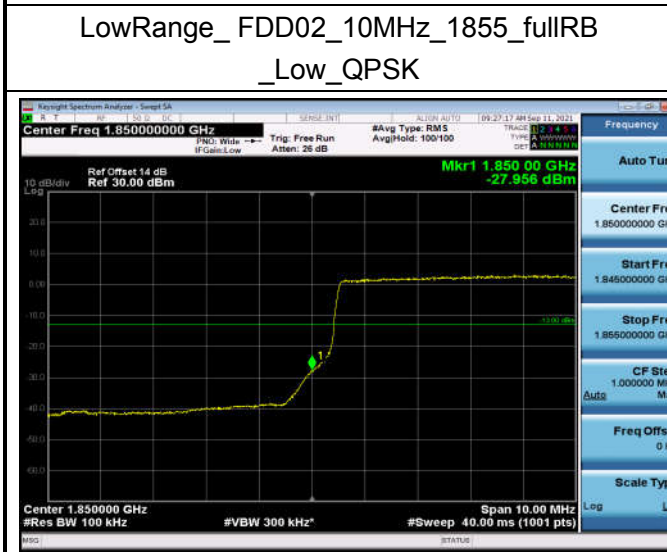
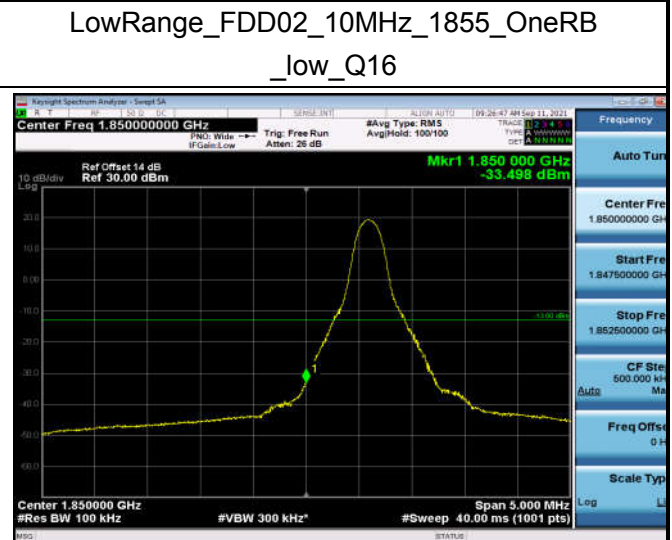
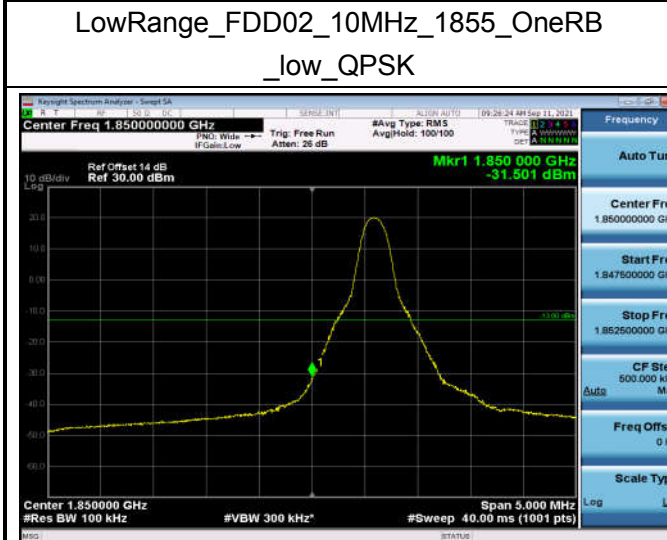
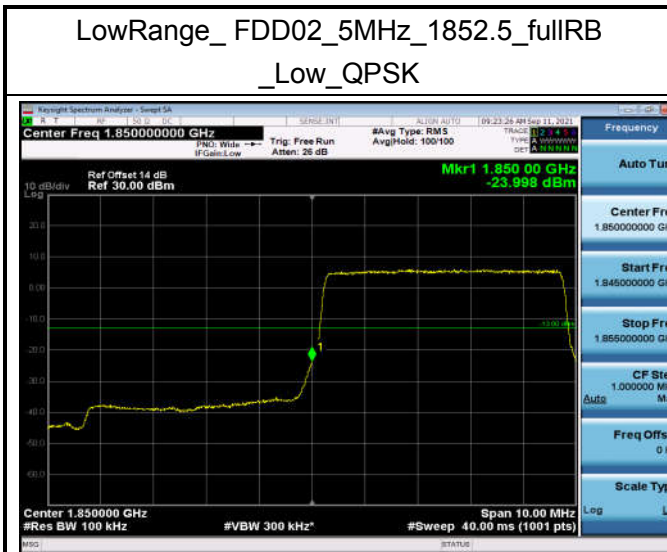


LowRange\_FDD02\_5MHz\_1852.5\_OneRB  
\_low\_QPSK



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

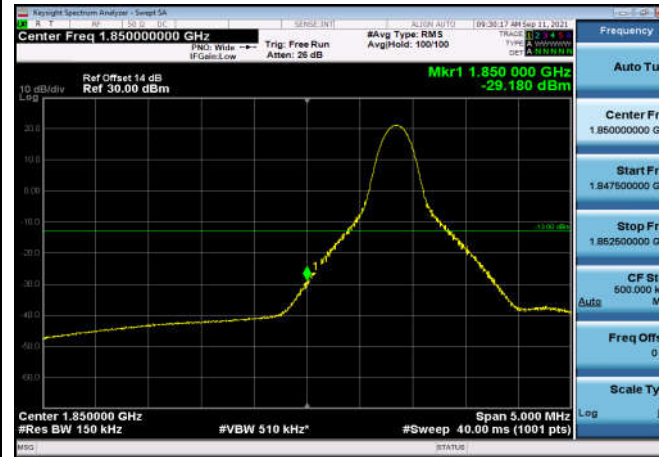




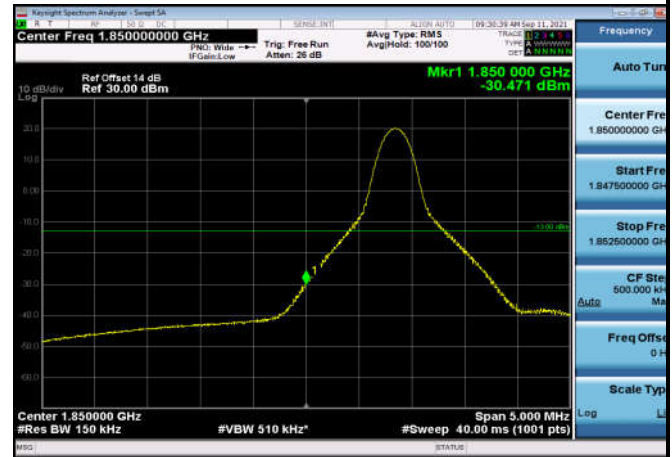




LowRange\_FDD02\_15MHz\_1857.5\_OneRB  
\_low\_QPSK



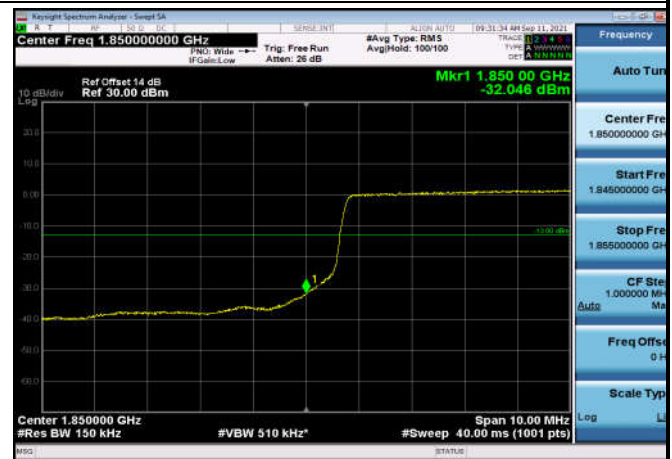
LowRange\_FDD02\_15MHz\_1857.5\_OneRB  
\_low\_Q16



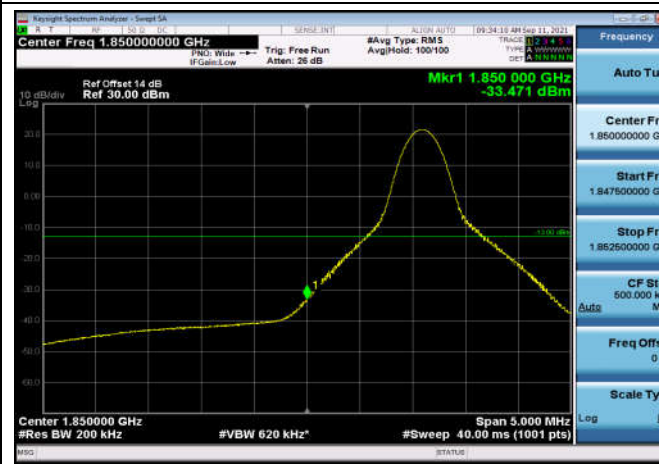
LowRange\_FDD02\_15MHz\_1857.5\_fullIRB  
\_Low\_QPSK



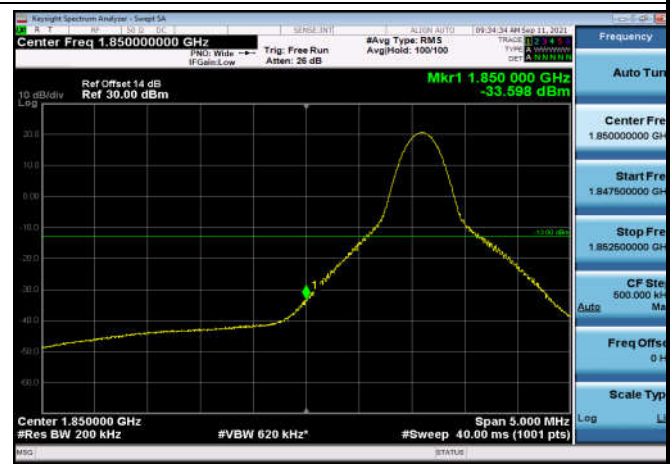
LowRange\_FDD02\_15MHz\_1857.5\_fullIRB  
\_Low\_Q16

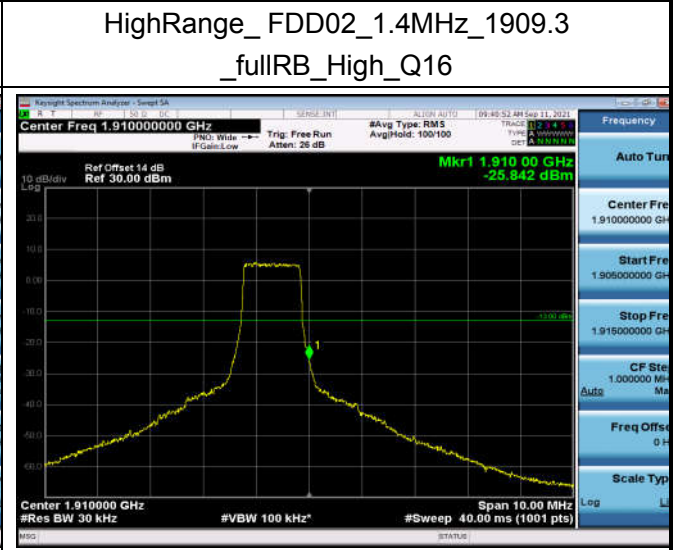
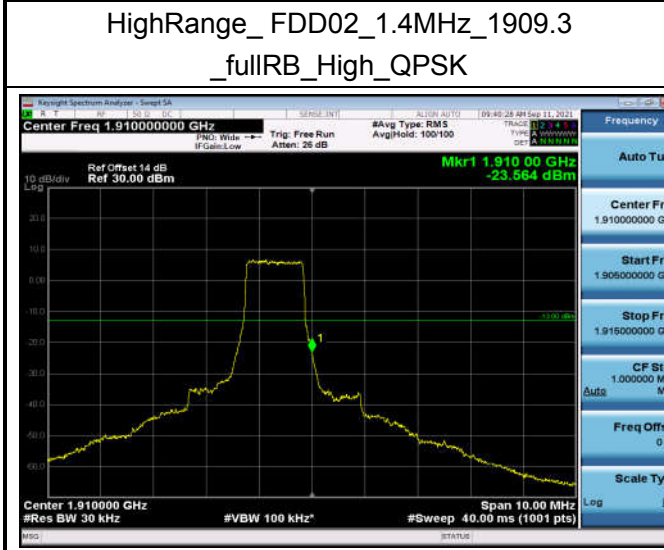
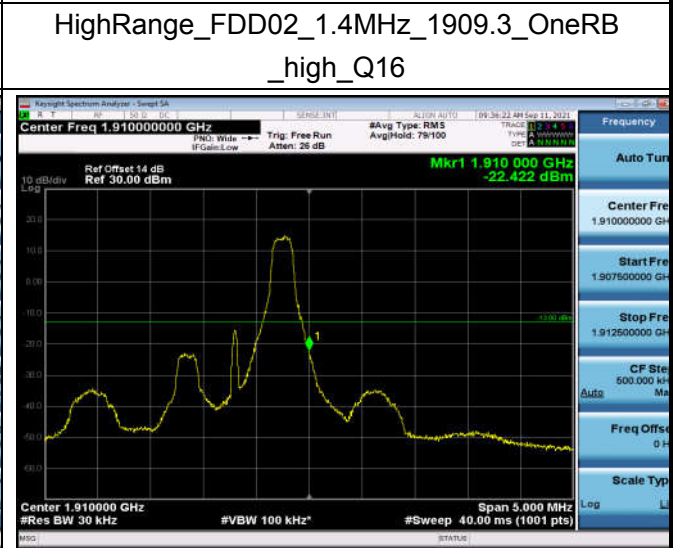
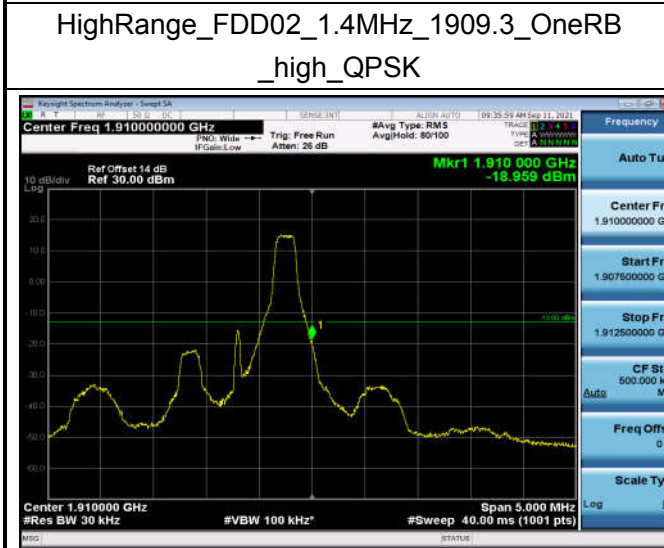
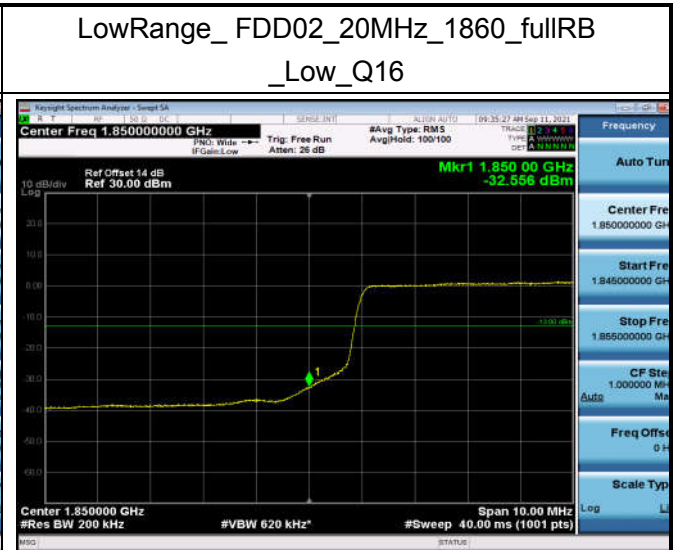
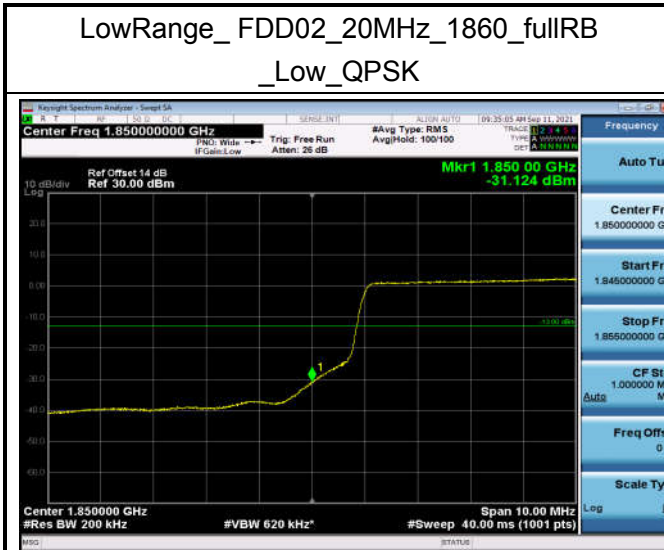


LowRange\_FDD02\_20MHz\_1860\_OneRB  
\_low\_QPSK



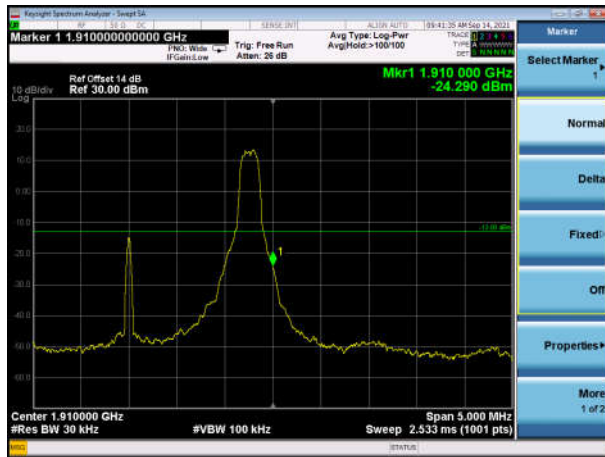
LowRange\_FDD02\_20MHz\_1860\_OneRB  
\_low\_Q16



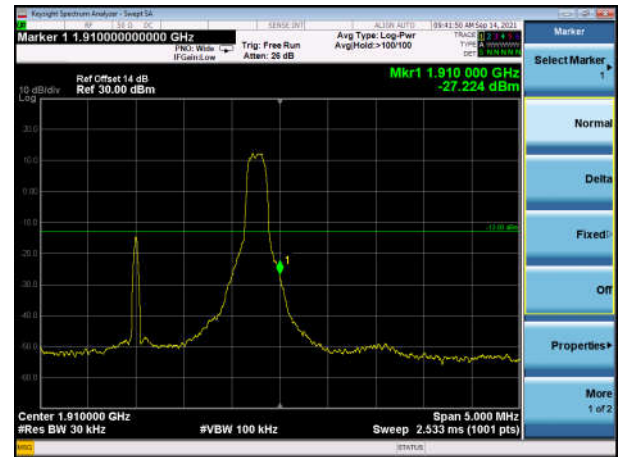




HighRange\_FDD02\_3MHz\_1908.5\_OneRB\_high\_QPSK



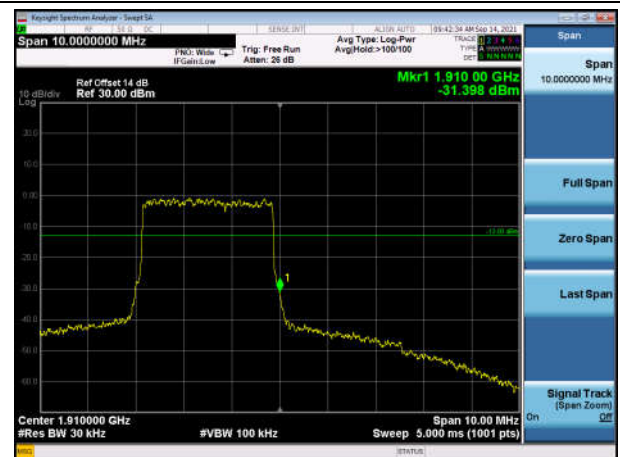
HighRange\_FDD02\_3MHz\_1908.5\_OneRB\_high\_Q16



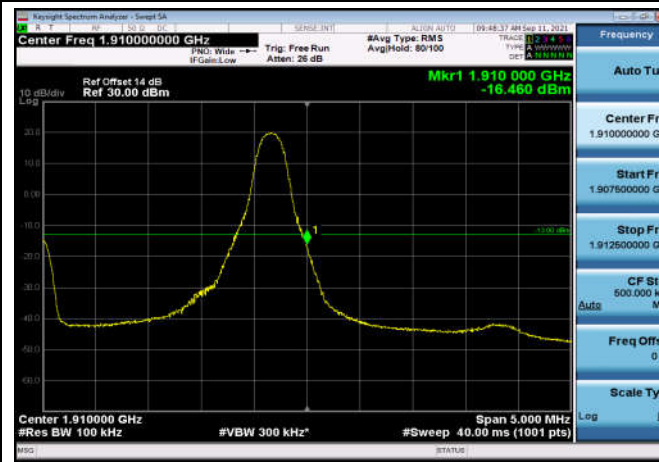
HighRange\_FDD02\_3MHz\_1908.5\_fullIRB\_High\_QPSK



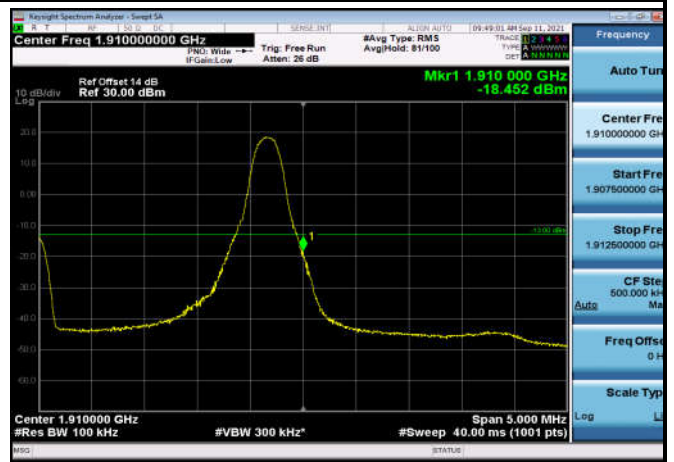
HighRange\_FDD02\_3MHz\_1908.5\_fullIRB\_High\_Q16



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



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





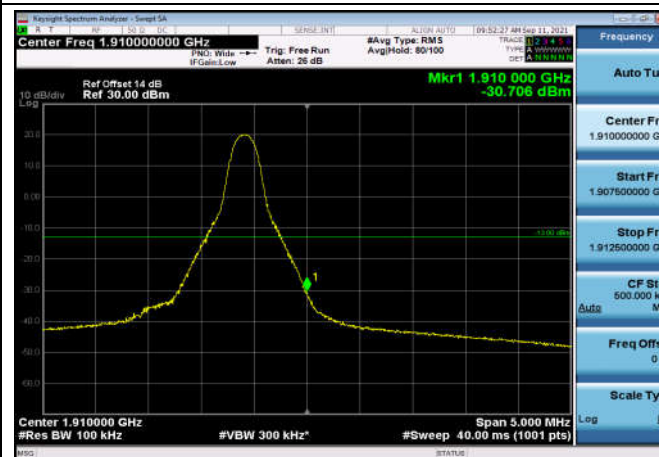
HighRange\_FDD02\_5MHz\_1907.5\_fullIRB  
\_High\_QPSK



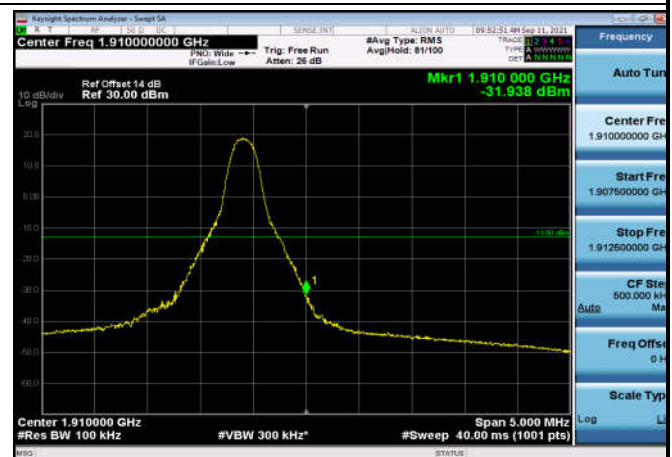
HighRange\_FDD02\_5MHz\_1907.5\_fullIRB  
\_High\_Q16



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



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



HighRange\_FDD02\_10MHz\_1905\_fullIRB  
\_High\_QPSK

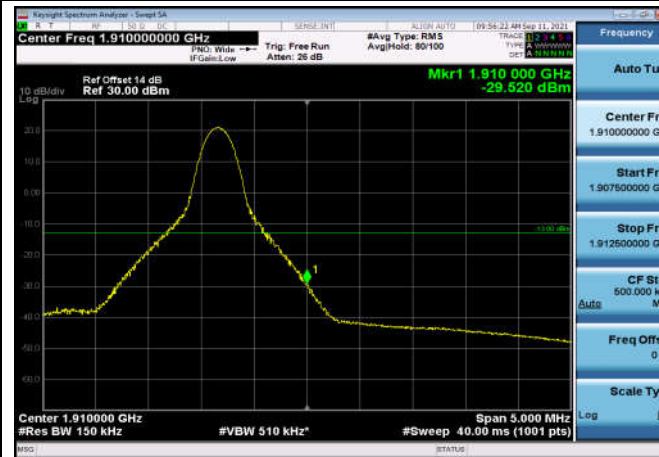


HighRange\_FDD02\_10MHz\_1905\_fullIRB  
\_High\_Q16

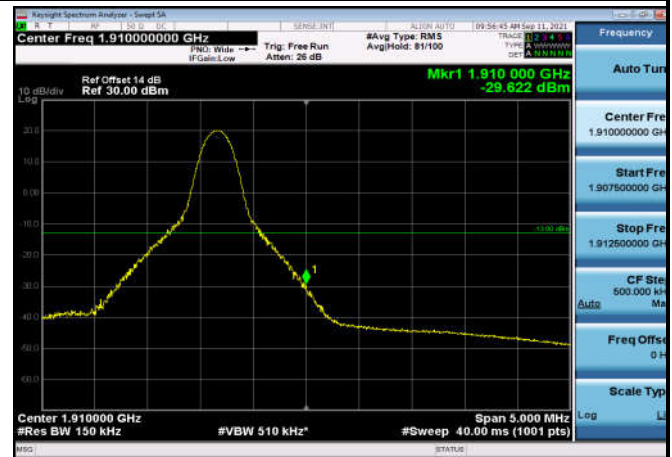




HighRange\_FDD02\_15MHz\_1902.5\_OneRB  
\_high\_QPSK



HighRange\_FDD02\_15MHz\_1902.5\_OneRB  
\_high\_Q16



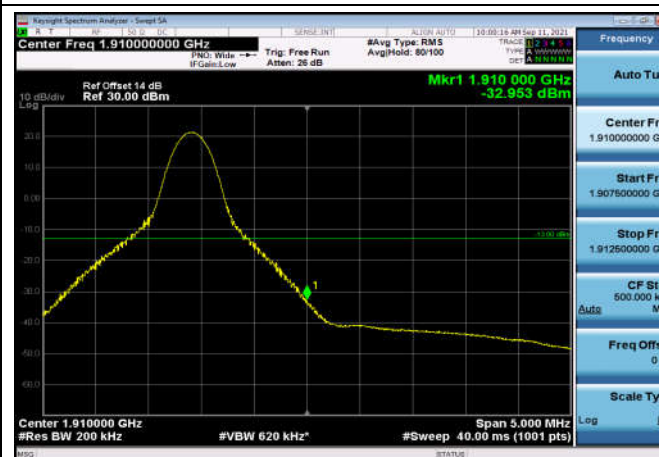
HighRange\_FDD02\_15MHz\_1902.5\_fullRB  
\_High\_QPSK



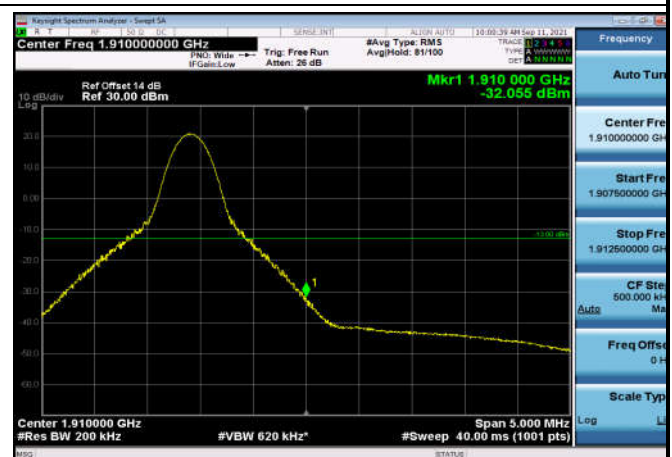
HighRange\_FDD02\_15MHz\_1902.5\_fullRB  
\_High\_Q16



HighRange\_FDD02\_20MHz\_1900\_OneRB  
\_high\_QPSK



HighRange\_FDD02\_20MHz\_1900\_OneRB  
\_high\_Q16





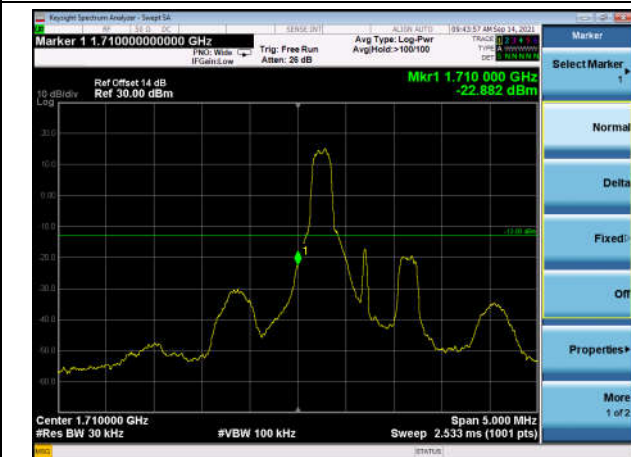
HighRange\_FDD02\_20MHz\_1900\_fullRB  
\_High\_QPSK



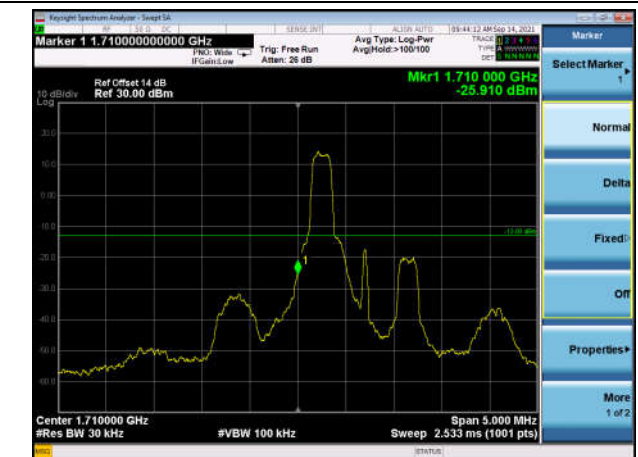
HighRange\_FDD02\_20MHz\_1900\_fullRB  
\_High\_Q16



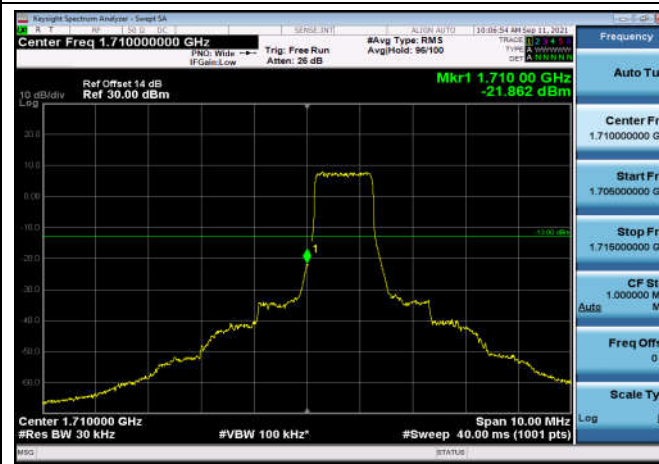
LowRange\_FDD04\_1.4MHz\_1710.7\_OneRB  
\_low\_QPSK



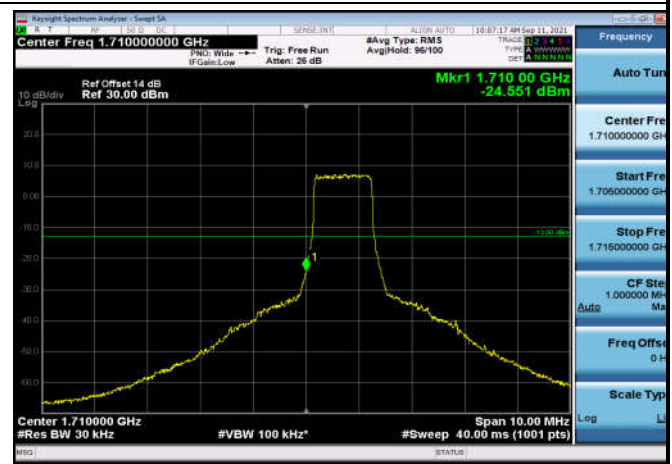
LowRange\_FDD04\_1.4MHz\_1710.7\_OneRB  
\_low\_Q16



LowRange\_FDD04\_1.4MHz\_1710.7\_fullRB  
\_Low\_QPSK

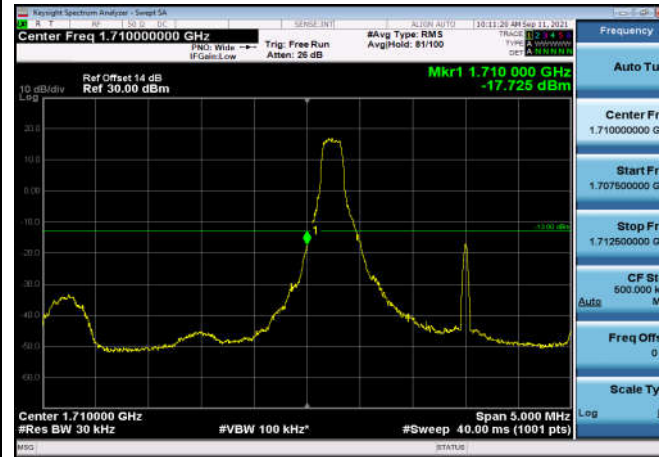


LowRange\_FDD04\_1.4MHz\_1710.7\_fullRB  
\_Low\_Q16

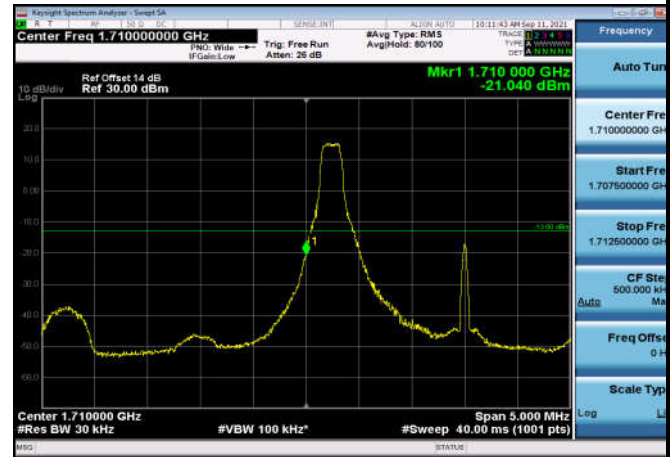




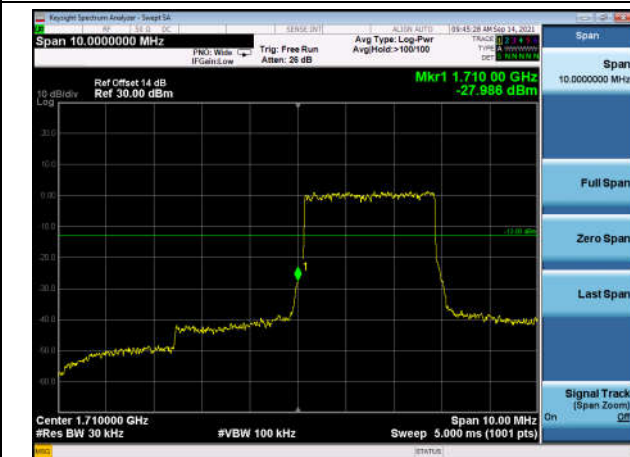
LowRange\_FDD04\_3MHz\_1711.5\_OneRB  
\_low\_QPSK



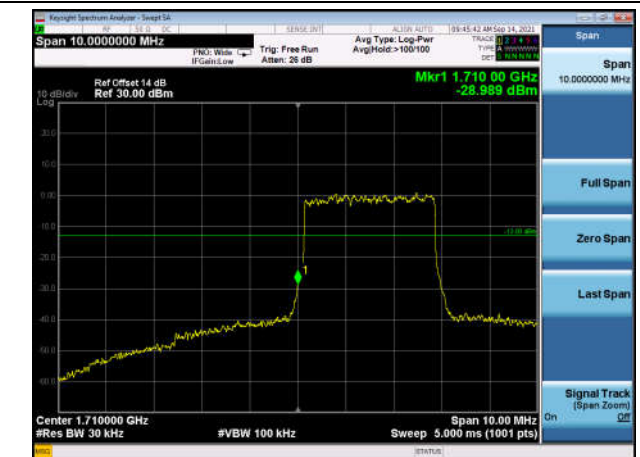
LowRange\_FDD04\_3MHz\_1711.5\_OneRB  
\_low\_Q16



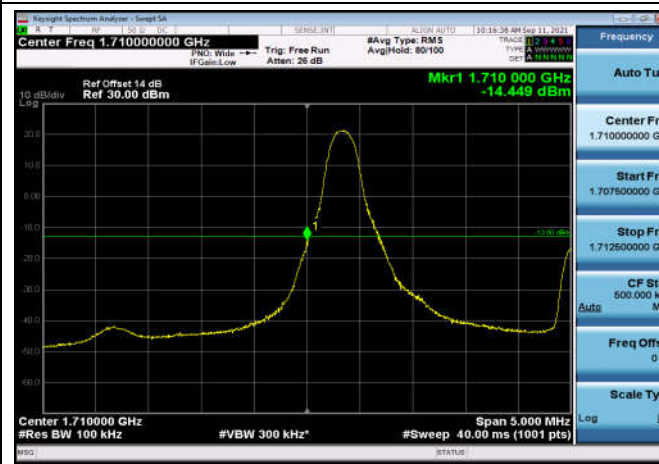
LowRange\_FDD04\_3MHz\_1711.5\_fullIRB  
\_Low\_QPSK



LowRange\_FDD04\_3MHz\_1711.5\_fullIRB  
\_Low\_Q16



LowRange\_FDD04\_5MHz\_1712.5\_OneRB  
\_low\_QPSK



LowRange\_FDD04\_5MHz\_1712.5\_OneRB  
\_low\_Q16

