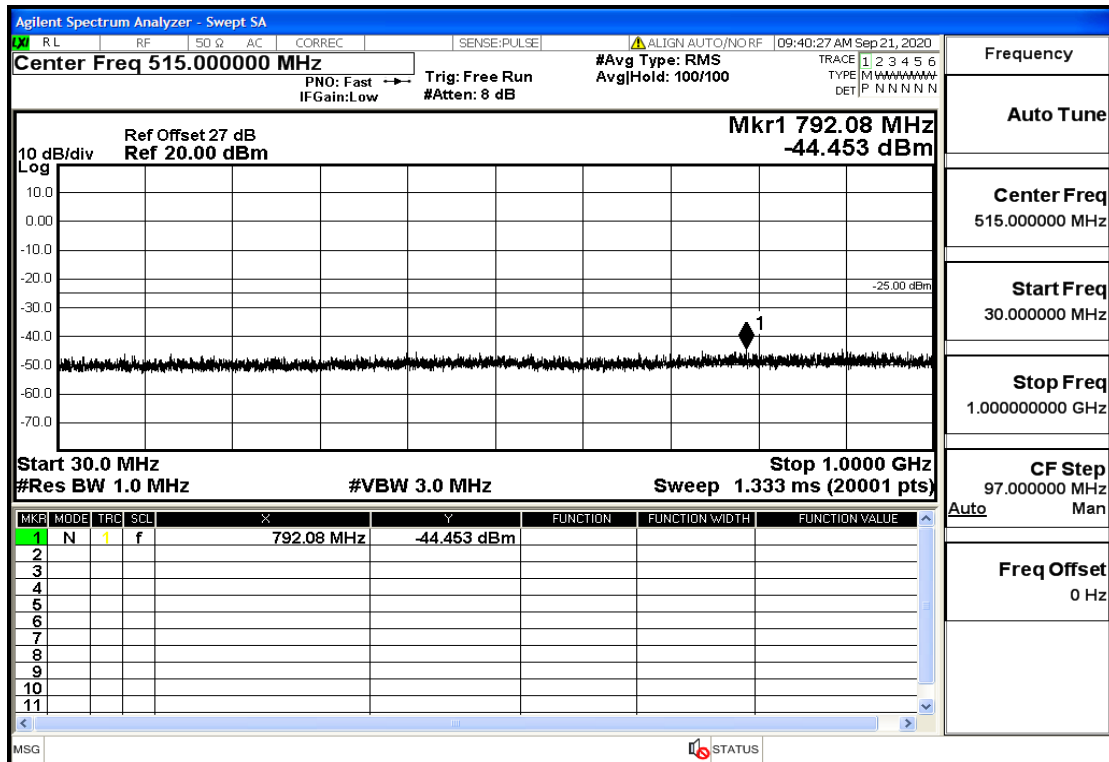
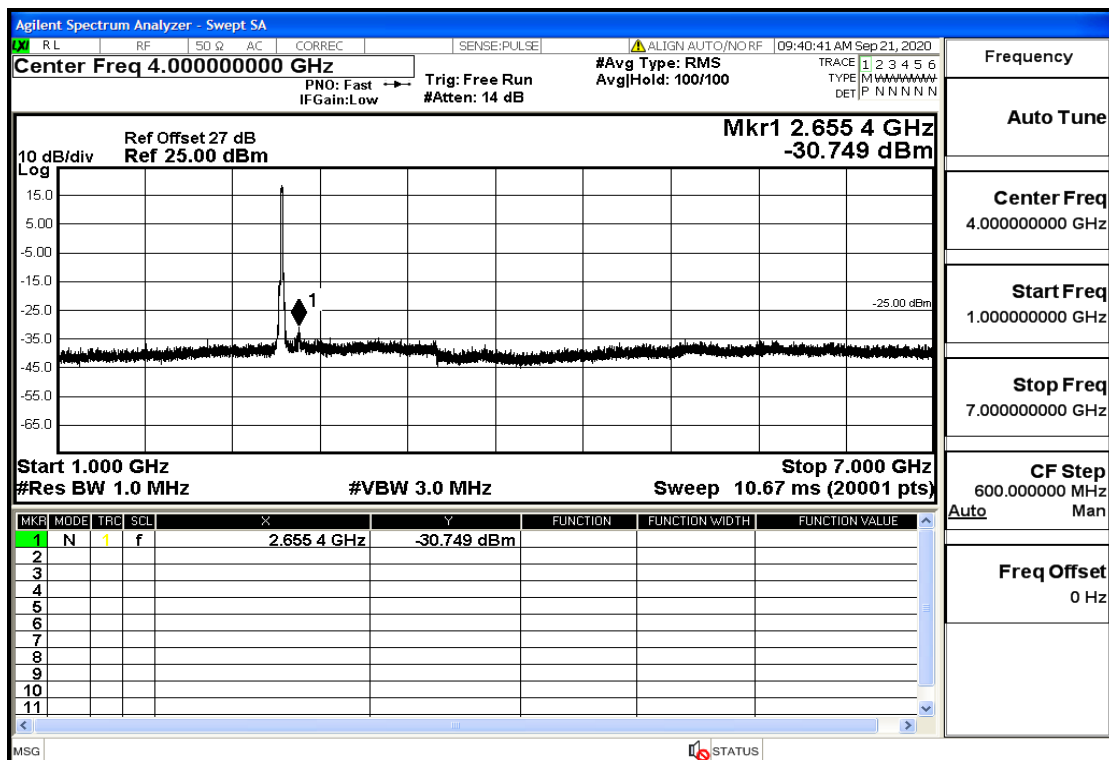


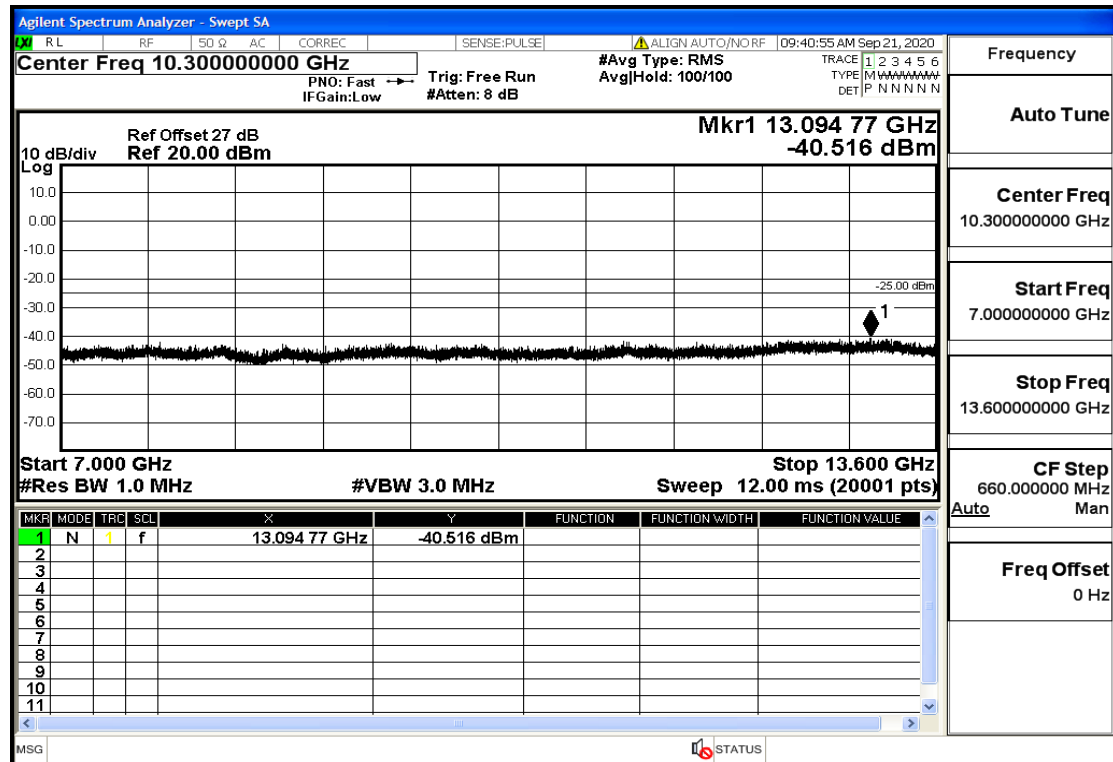
OB7-15-2535-QPSK-75#LOW@30mHz-1GHz@Pass



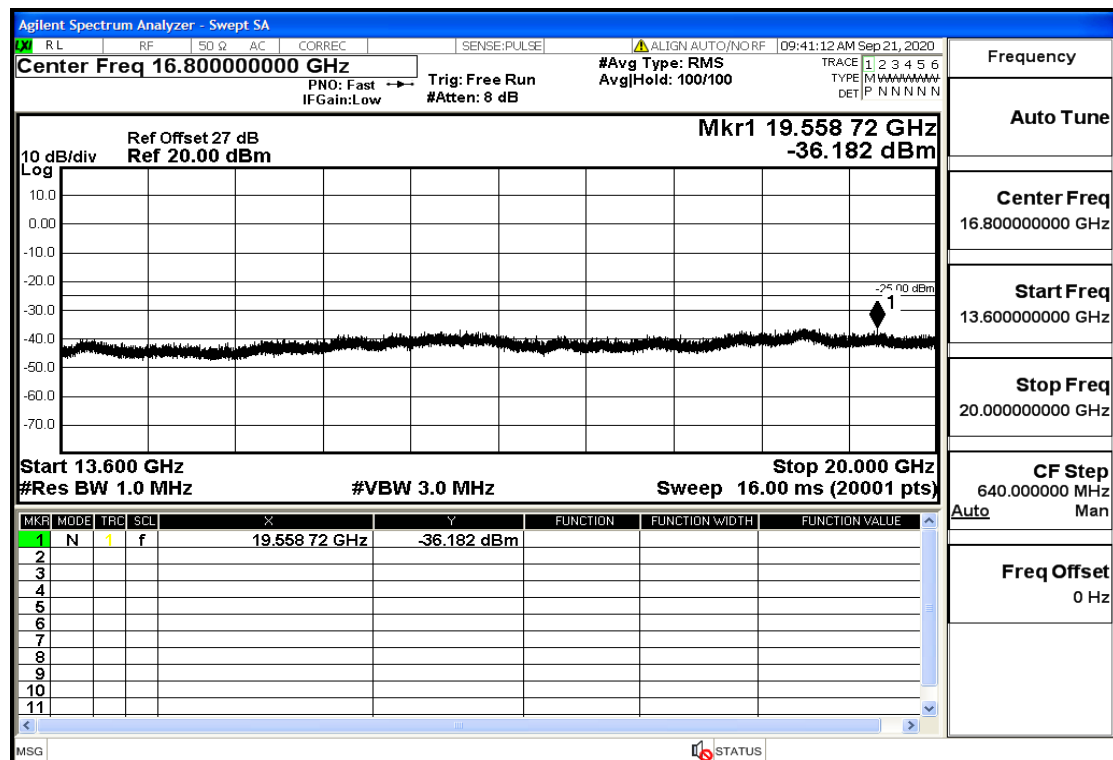
OB7-15-2535-QPSK-75#LOW@1GHz-7GHz@Pass



OB7-15-2535-QPSK-75#LOW@7GHz-13.6GHz@Pass



OB7-15-2535-QPSK-75#LOW@13.6GHz-20GHz@Pass



Spectrum Analyzer - Swept SA

X L R F S Q A C CORREC SENSE:PULSE ALIGN AUTO/NORF 09:41:53 AM Sep 21, 2020

Center Freq 515.000000 MHz

PNO: Fast IFGain:Low Trig: Free Run #Atten: 8 dB

#Avg Type: RMS AvgHold: 100/100

TRACE 1 2 3 4 5 6 TYPE M W W W W W W W DET P N N N N N

Ref Offset 27 dB Ref 20.00 dBm

Mkr1 898.05 MHz
-44.012 dBm

10 dB/div Log

-25.00 dBm

Start 30.0 MHz Stop 1.0000 GHz

#Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.333 ms (20001 pts)

MKR	MODE	TRE	SCL	x	y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	f	f	898.05 MHz	-44.012 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

< >

MSG STATUS

Frequency

Auto Tune

Center Freq 515.000000 MHz

Start Freq 30.000000 MHz

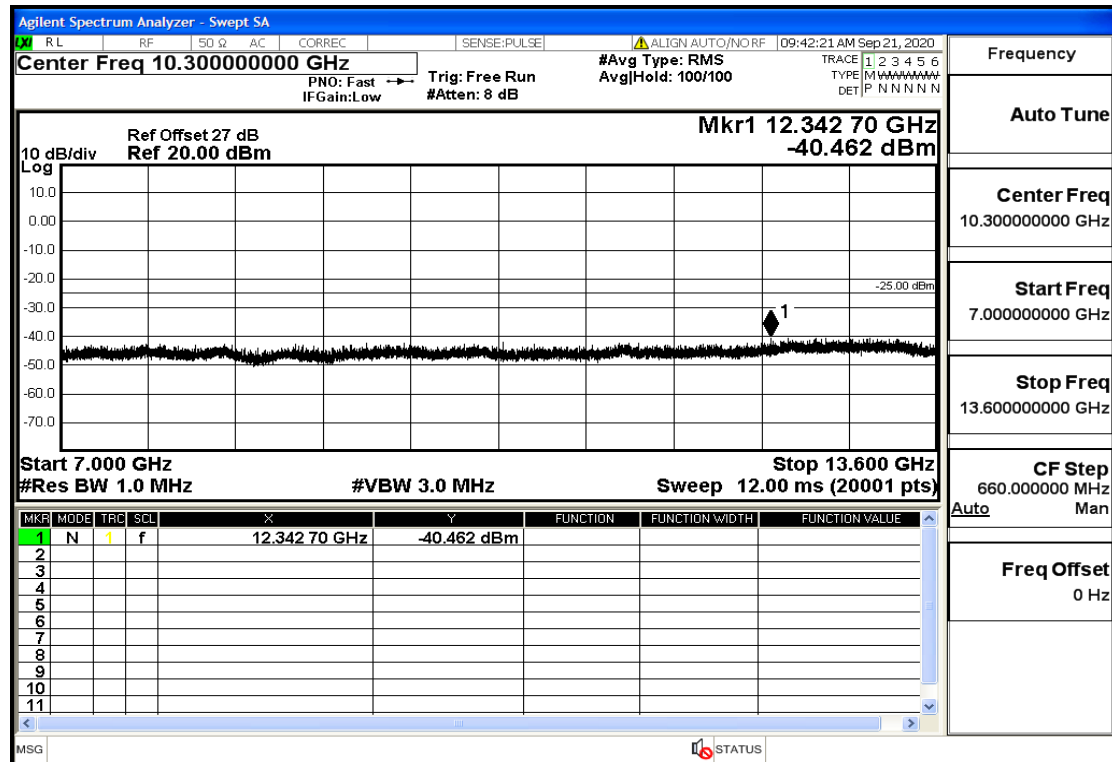
Stop Freq 1.00000000 GHz

CF Step 97.000000 MHz Man

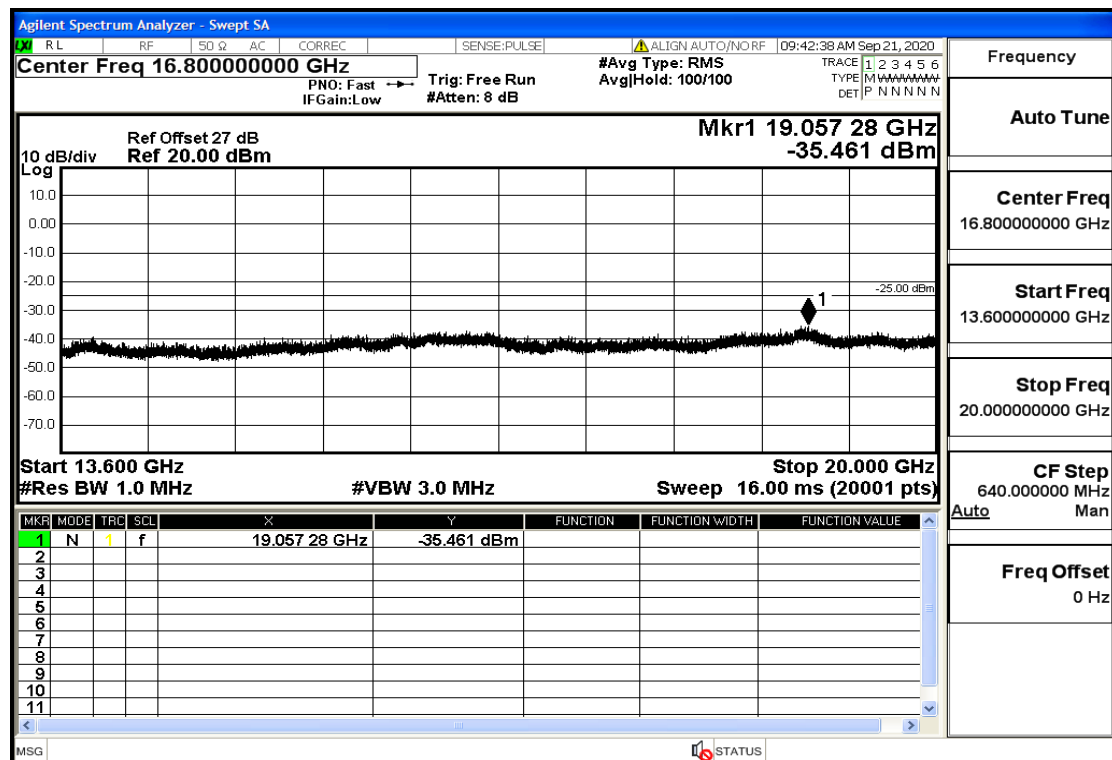
Freq Offset 0 Hz

[illegible]

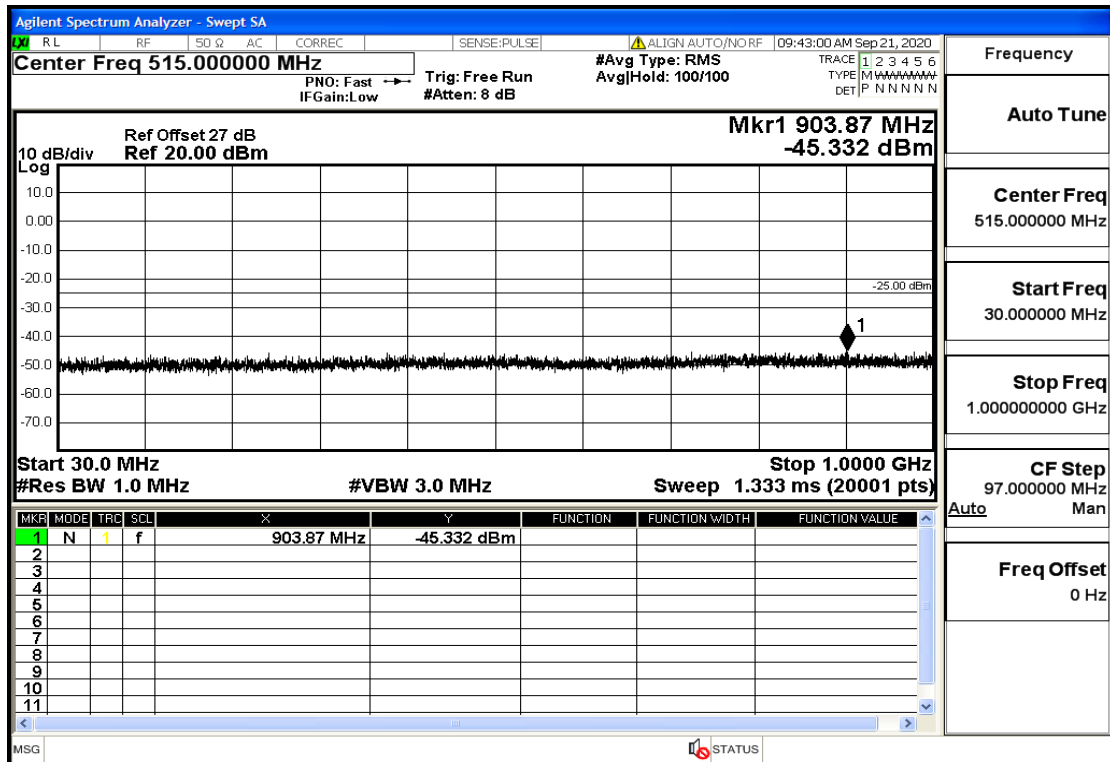
OB7-15-2535-QPSK-1#LOW@7GHz-13.6GHz@Pass



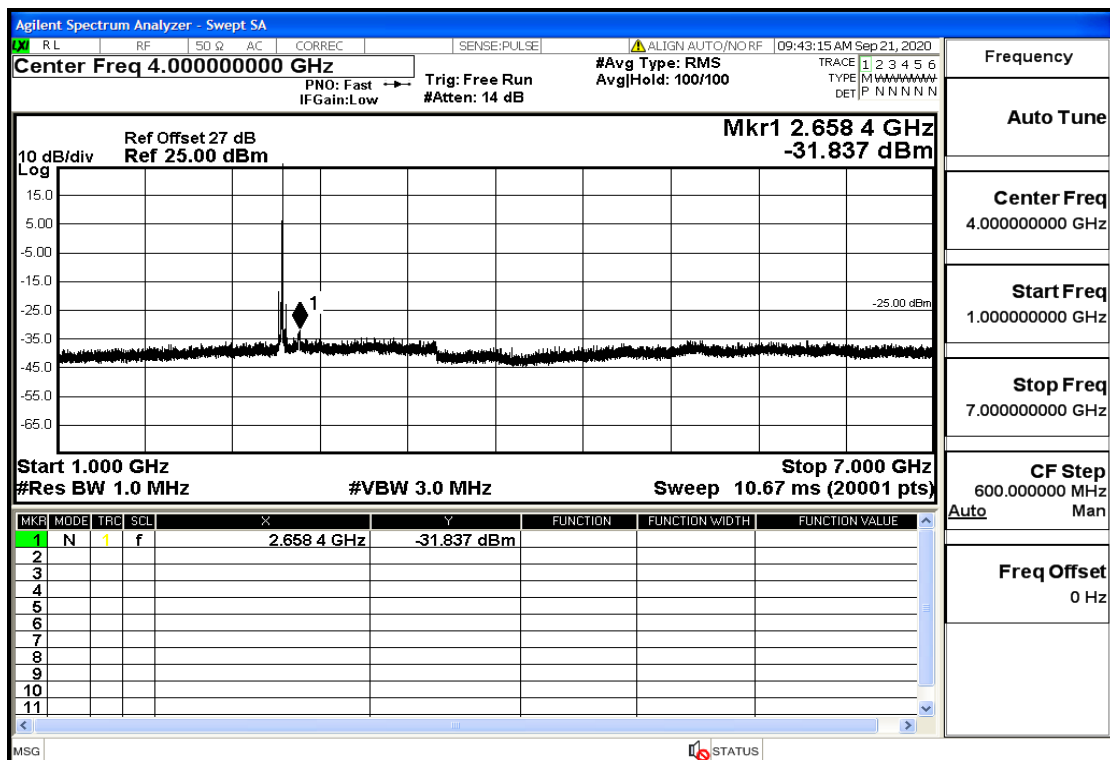
OB7-15-2535-QPSK-1#LOW@13.6GHz-20GHz@Pass



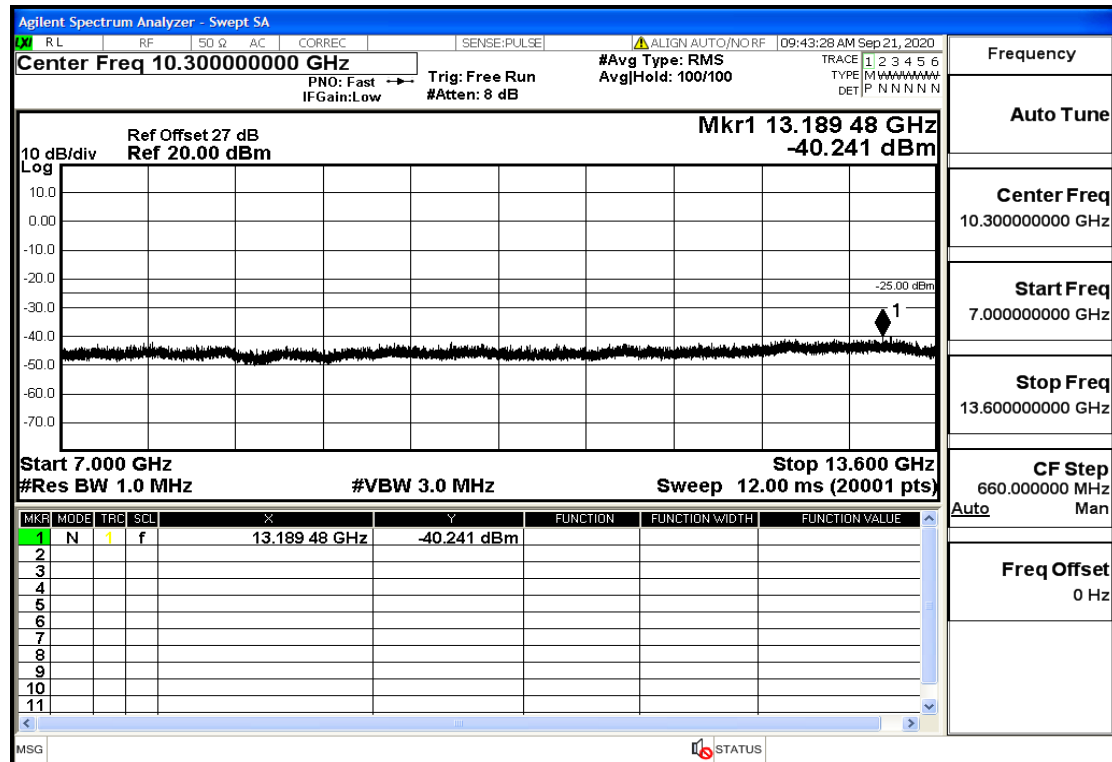
OB7-15-2535-QPSK-1#HIGH@30mHz-1GHz@Pass



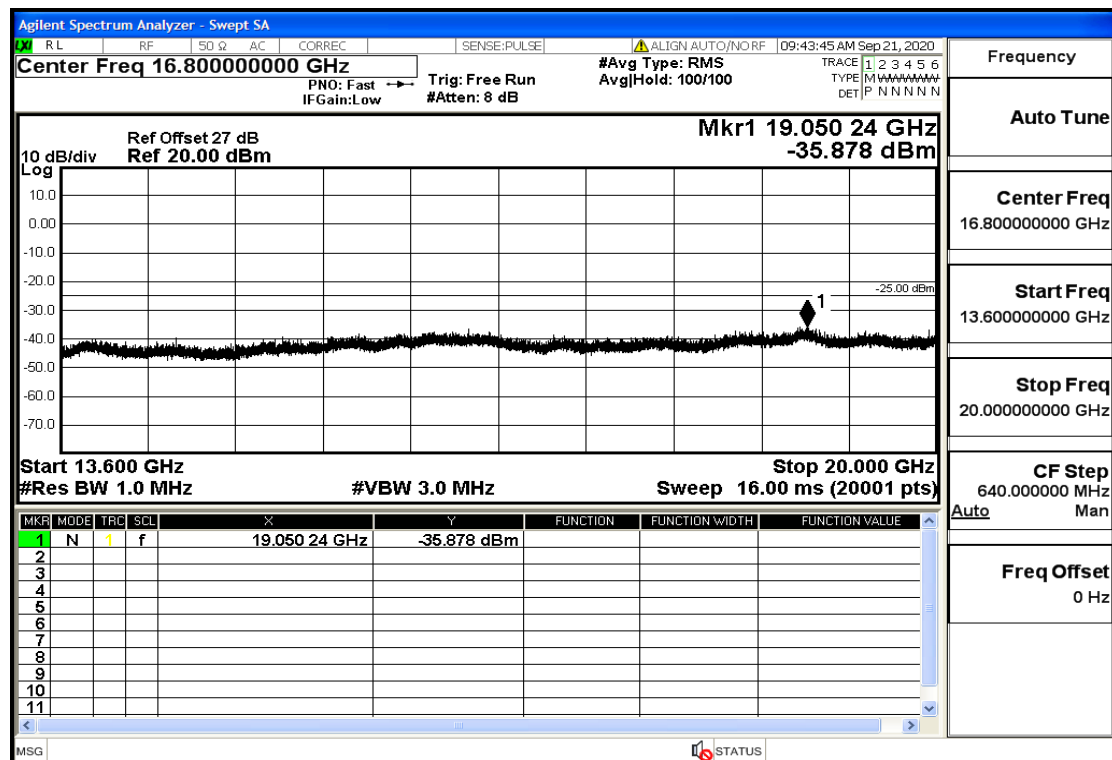
OB7-15-2535-QPSK-1#HIGH@1GHz-7GHz@Pass



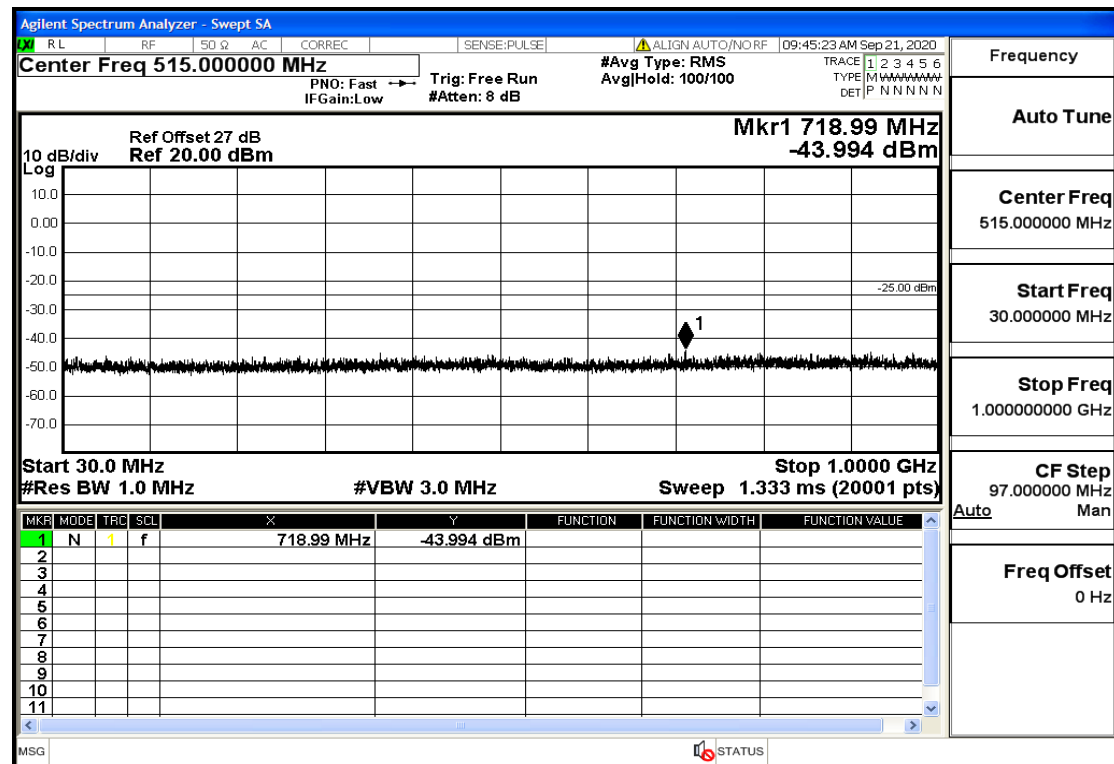
OB7-15-2535-QPSK-1#HIGH@7GHz-13.6GHz@Pass



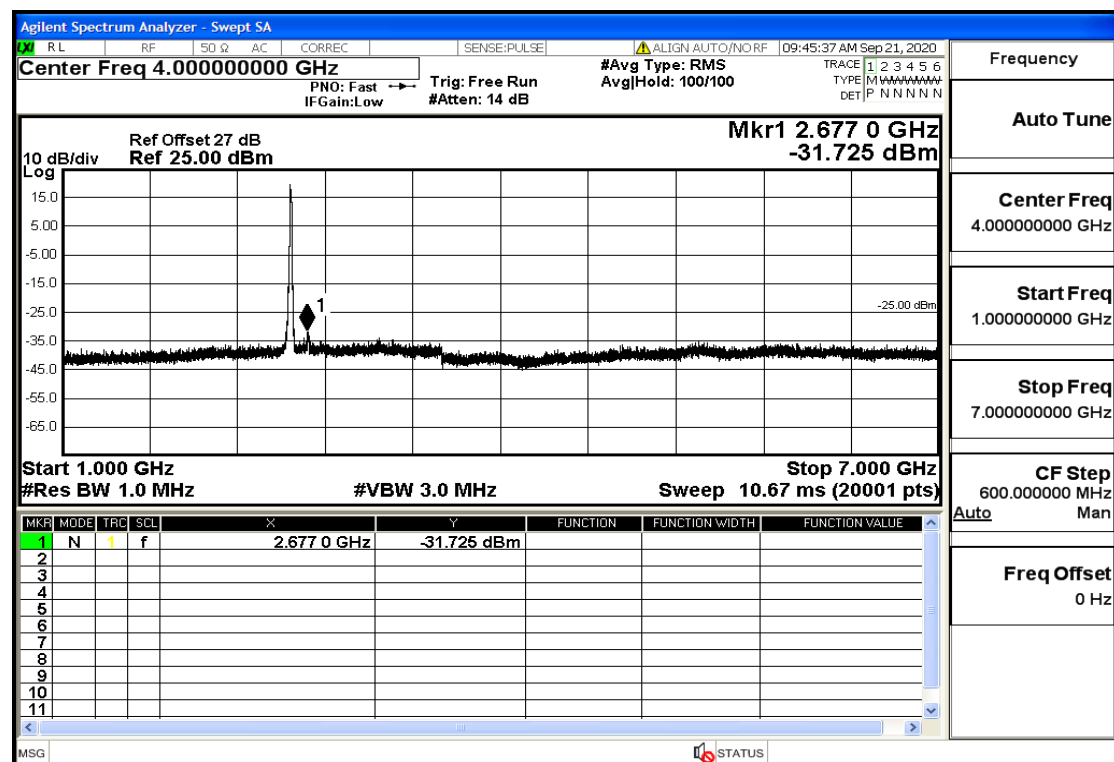
OB7-15-2535-QPSK-1#HIGH@13.6GHz-20GHz@Pass



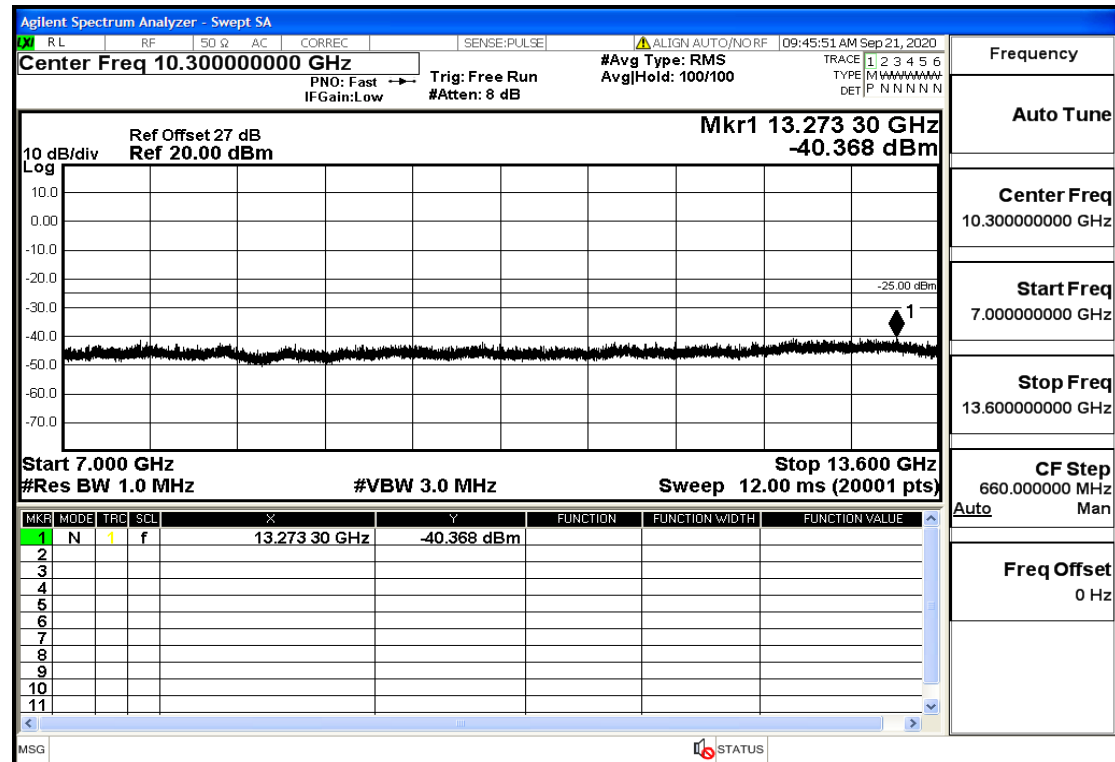
OB7-15-2562.5-QPSK-75#LOW@30mHz-1GHz@Pass



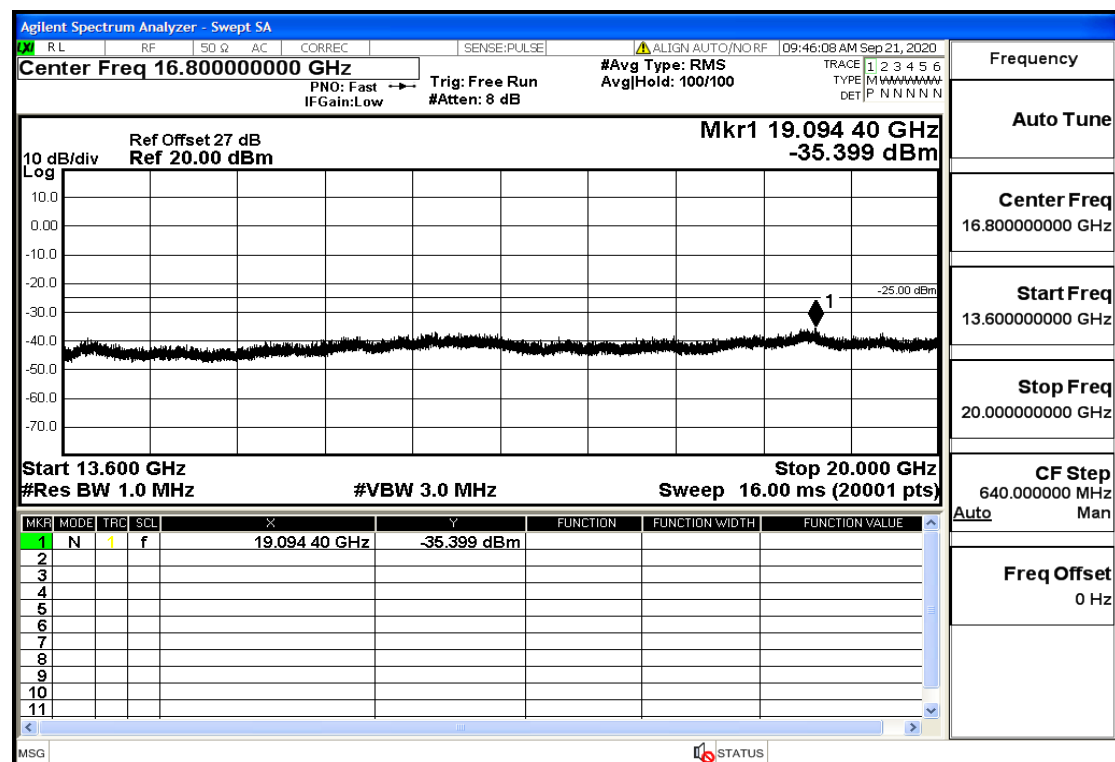
OB7-15-2562.5-QPSK-75#LOW@1GHz-7GHz@Pass



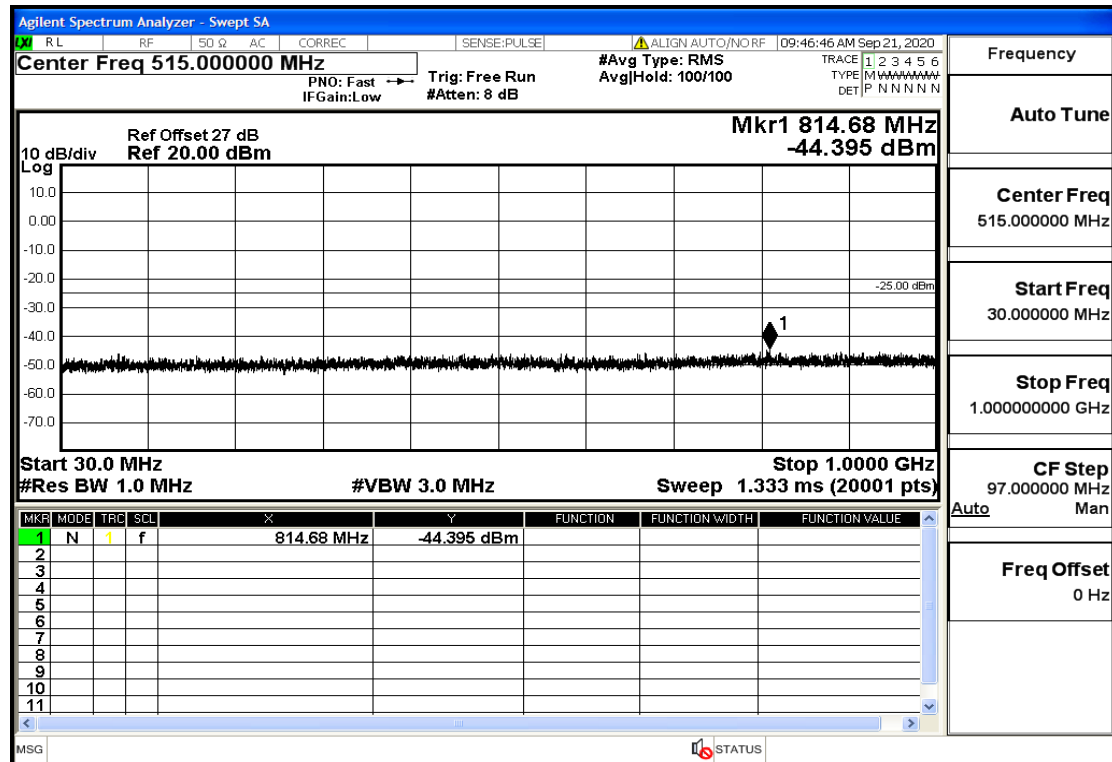
OB7-15-2562.5-QPSK-75#LOW@7GHz-13.6GHz@Pass



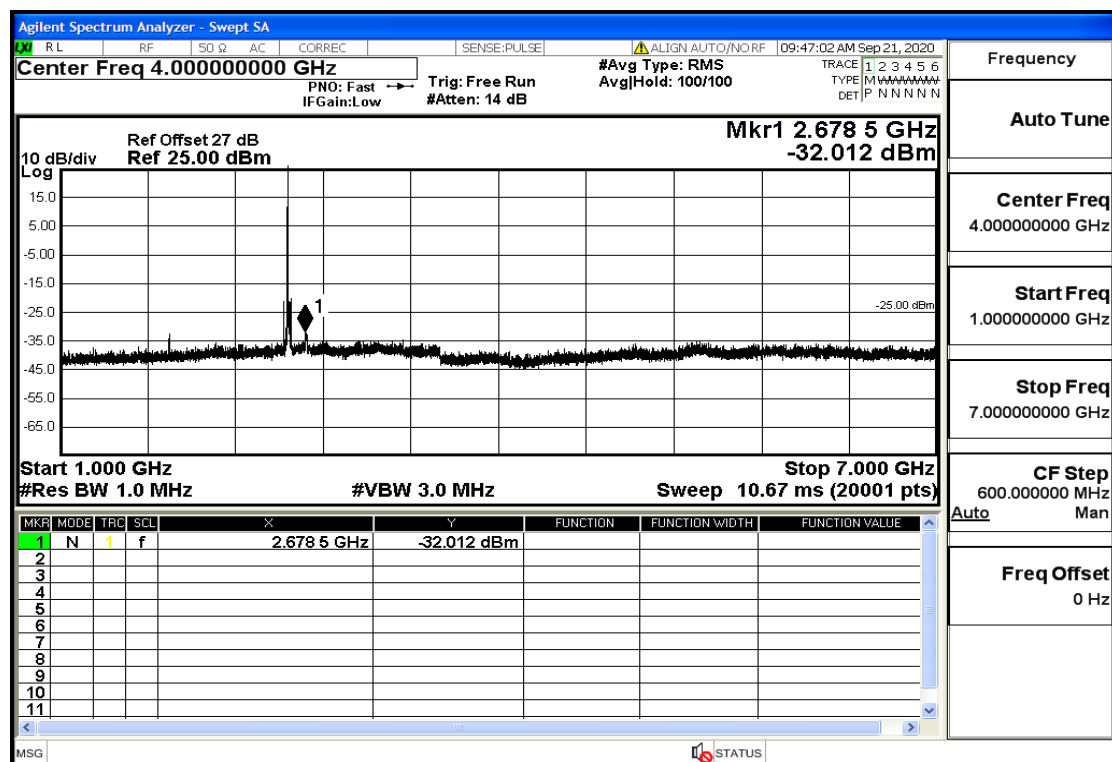
OB7-15-2562.5-QPSK-75#LOW@13.6GHz-20GHz@Pass



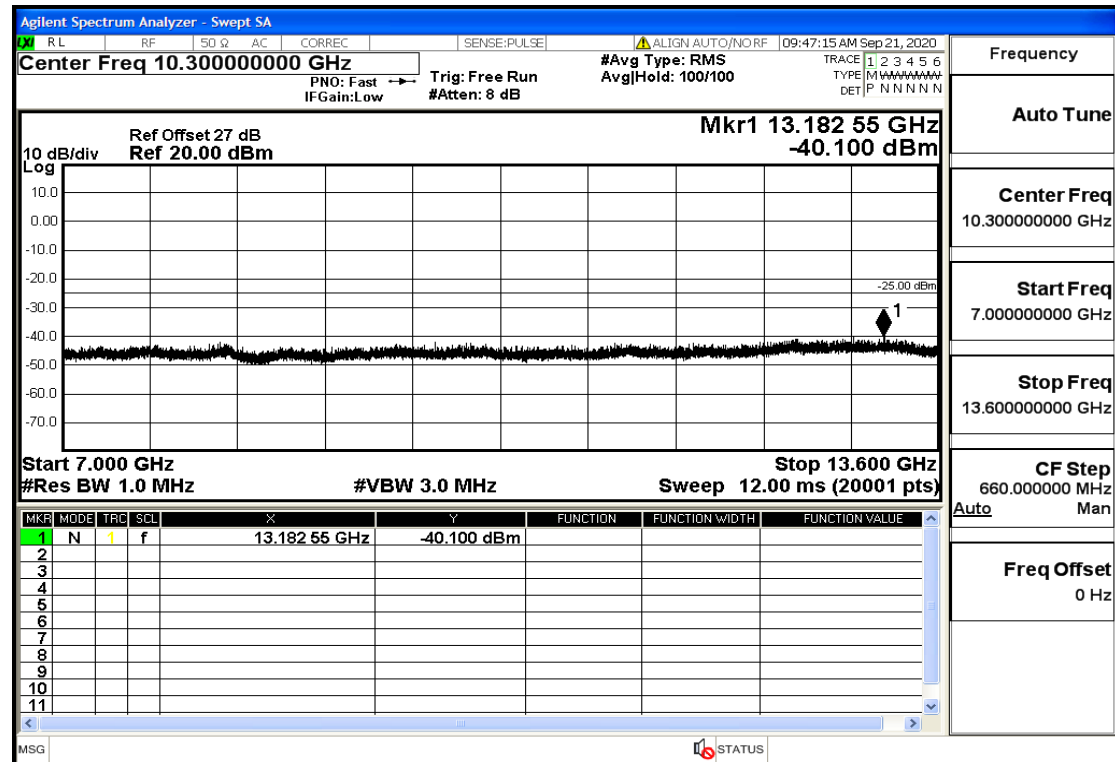
OB7-15-2562.5-QPSK-1#LOW@30mHz-1GHz@Pass



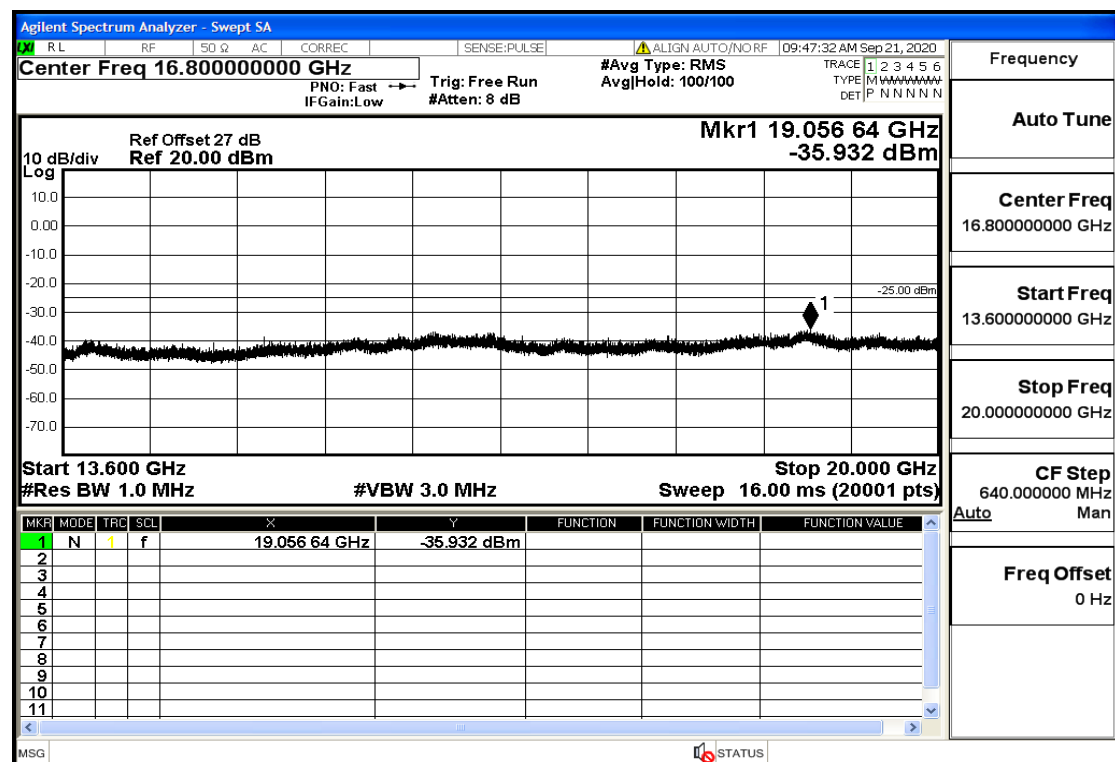
OB7-15-2562.5-QPSK-1#LOW@1GHz-7GHz@Pass



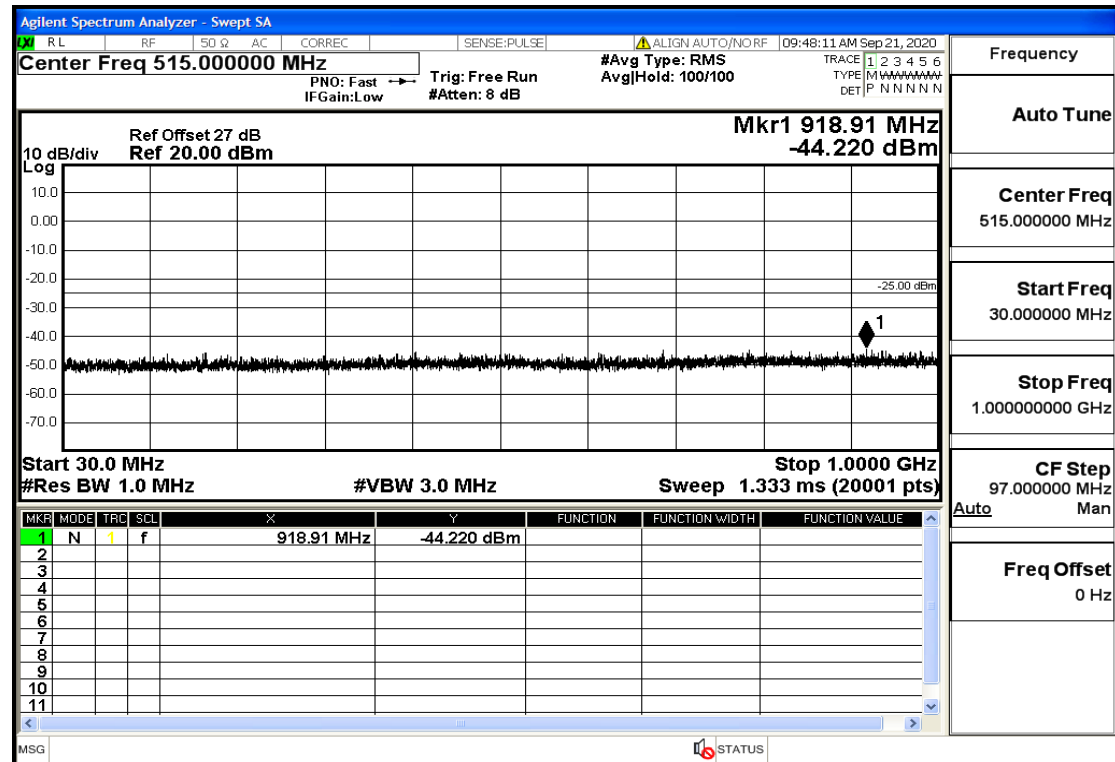
OB7-15-2562.5-QPSK-1#LOW@7GHz-13.6GHz@Pass



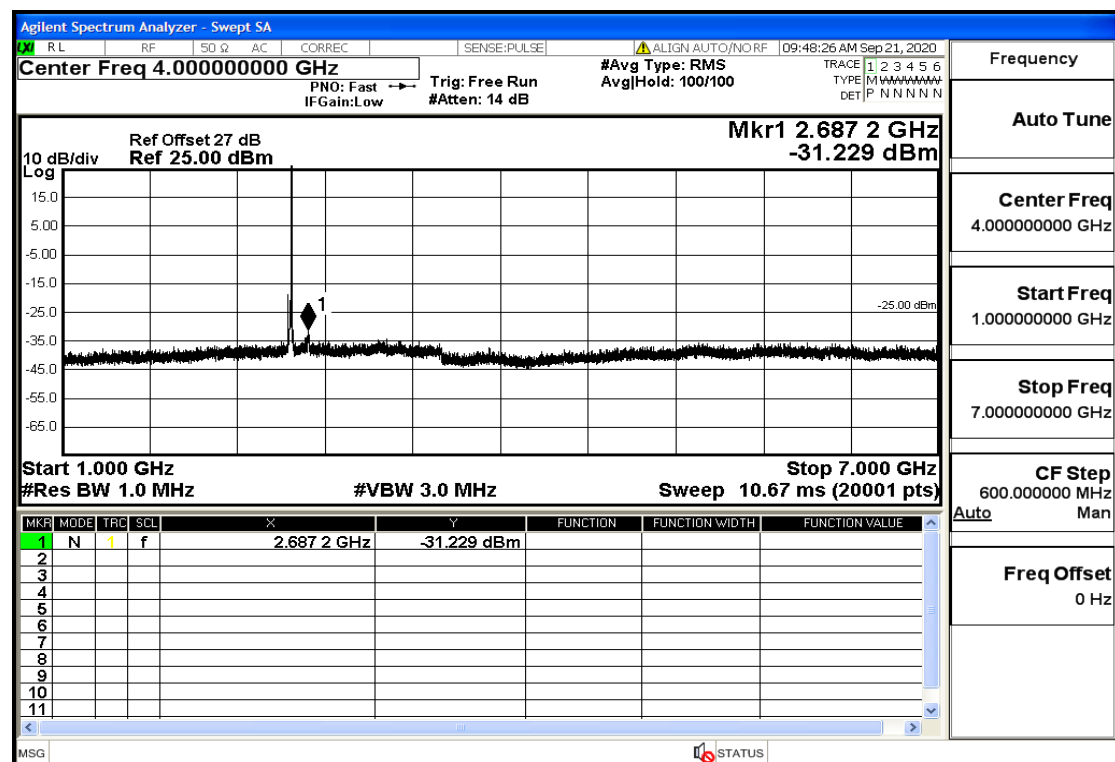
OB7-15-2562.5-QPSK-1#LOW@13.6GHz-20GHz@Pass



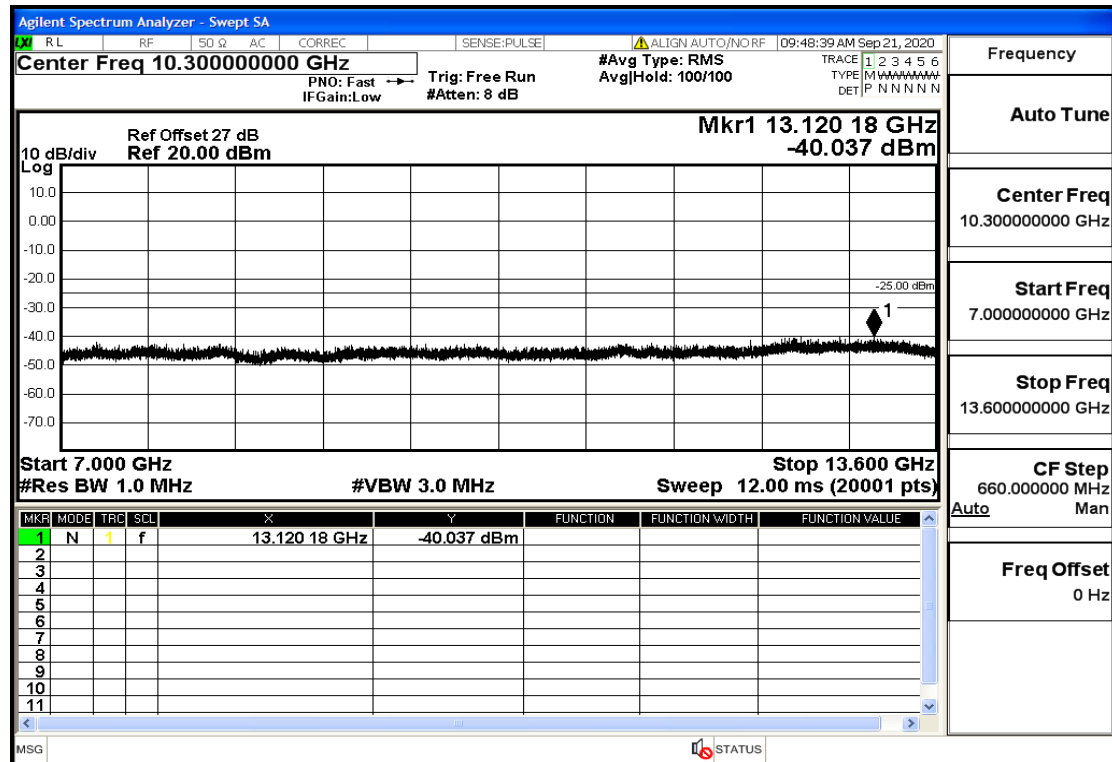
OB7-15-2562.5-QPSK-1#HIGH@30mHz-1GHz@Pass



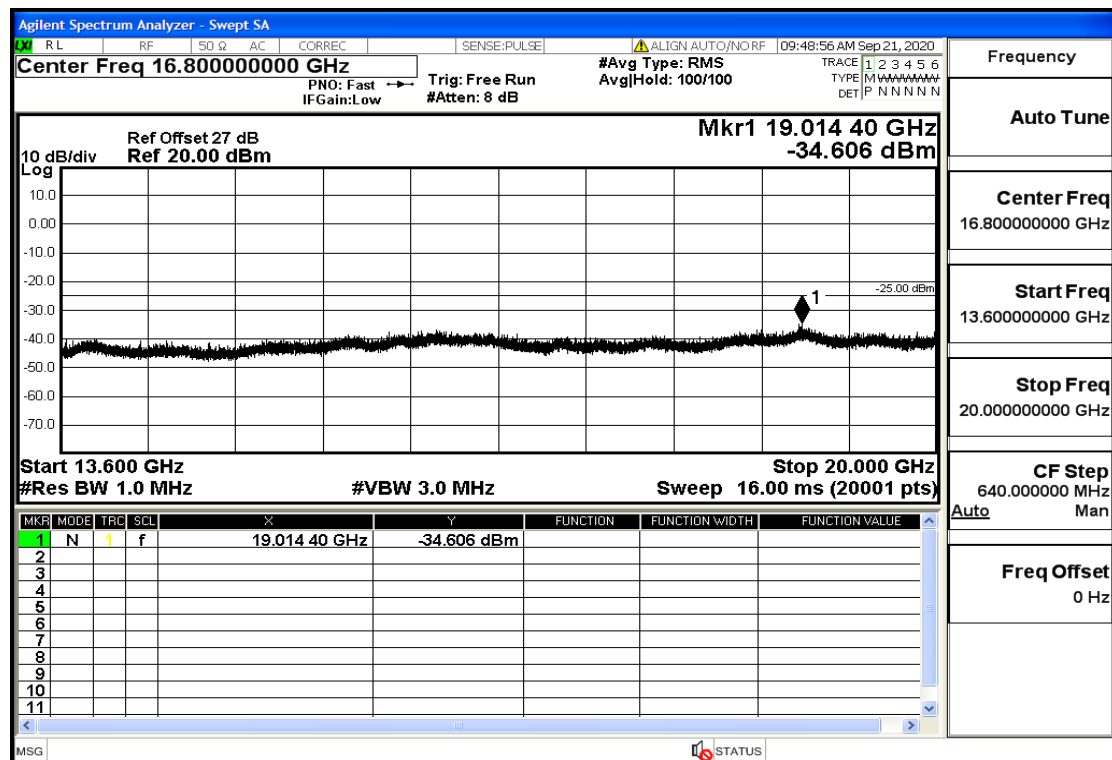
OB7-15-2562.5-QPSK-1#HIGH@1GHz-7GHz@Pass



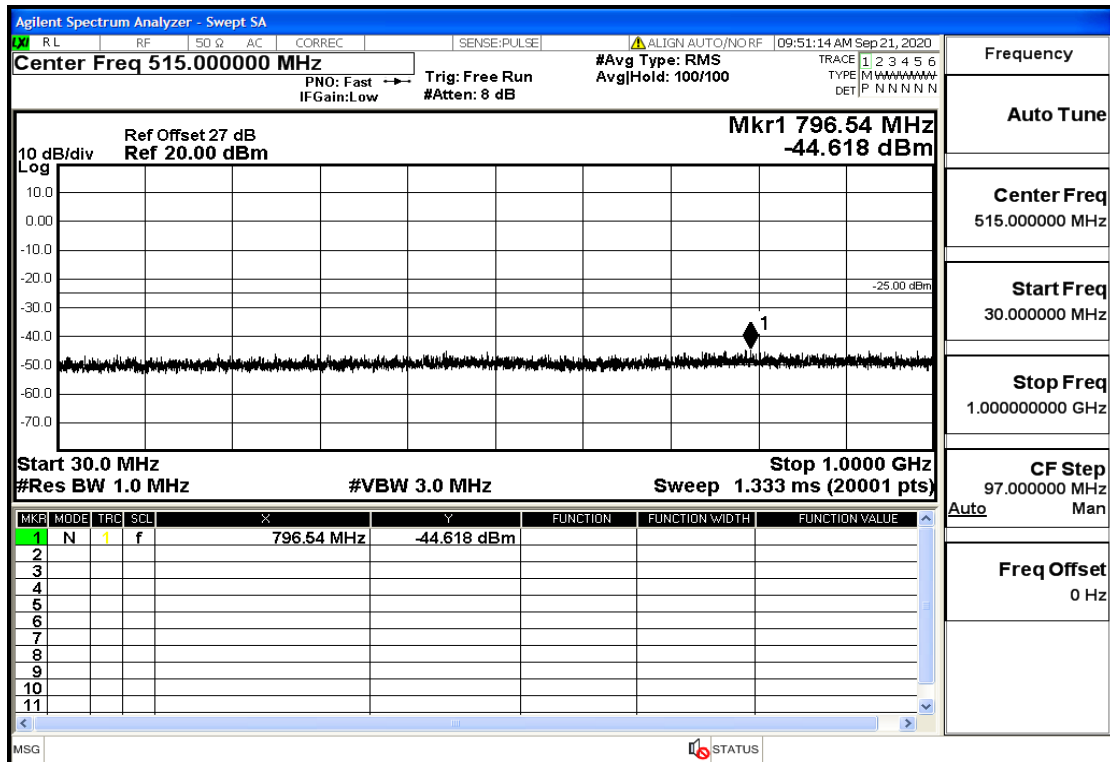
OB7-15-2562.5-QPSK-1#HIGH@7GHz-13.6GHz@Pass



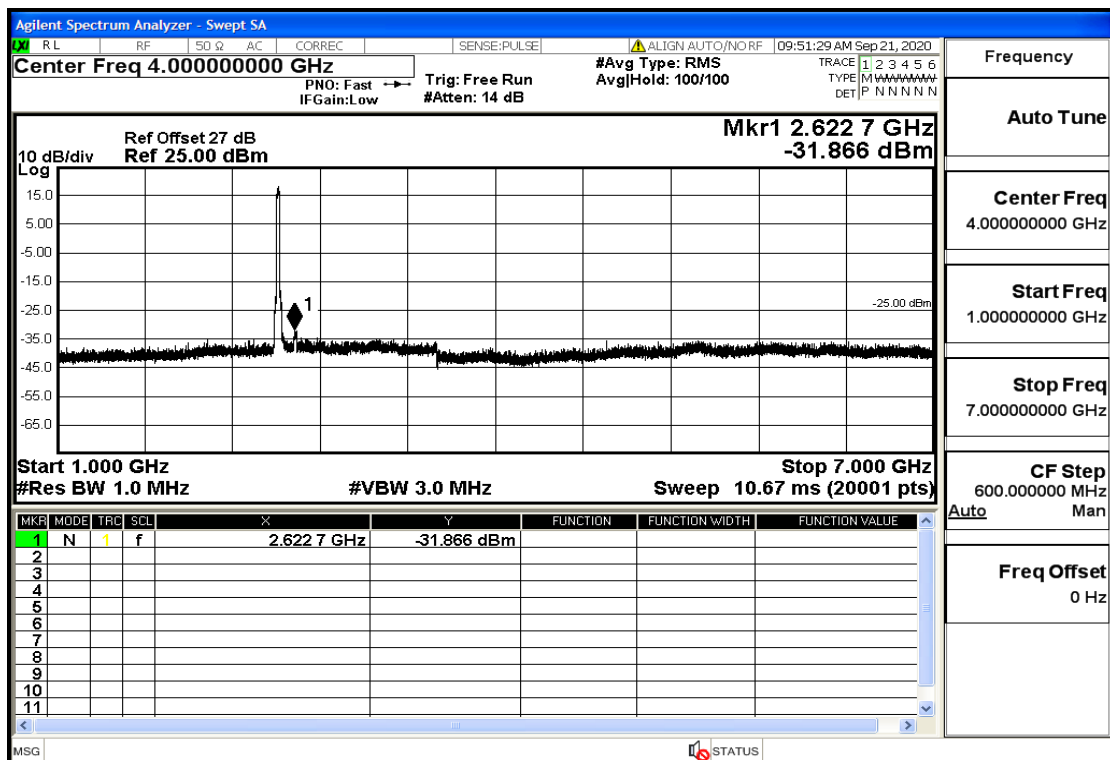
OB7-15-2562.5-QPSK-1#HIGH@13.6GHz-20GHz@Pass



OB7-20-2510-QPSK-100#LOW@30mHz-1GHz@Pass



OB7-20-2510-QPSK-100#LOW@1GHz-7GHz@Pass



[illegible]

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE:PULSE ALIGN AUTO/NORF 09:51:59 AM Sep 21, 2020

Center Freq 16.80000000 GHz PNO: Fast IFGain:Low Trig: Free Run #Atten: 8 dB #Avg Type: RMS Avg/Hold: 100/100

TRACE 1 2 3 4 5 6 TYPE M W U I N N N N N DET P N N N N N N

Ref Offset 27 dB
Ref 20.00 dBm

Mkr1 19.003 20 GHz
-34.913 dBm

10 dB/div
Log

-70.0
-60.0
-50.0
-40.0
-30.0
-20.0
-10.0
0.00
10.0

-25.00 dBm

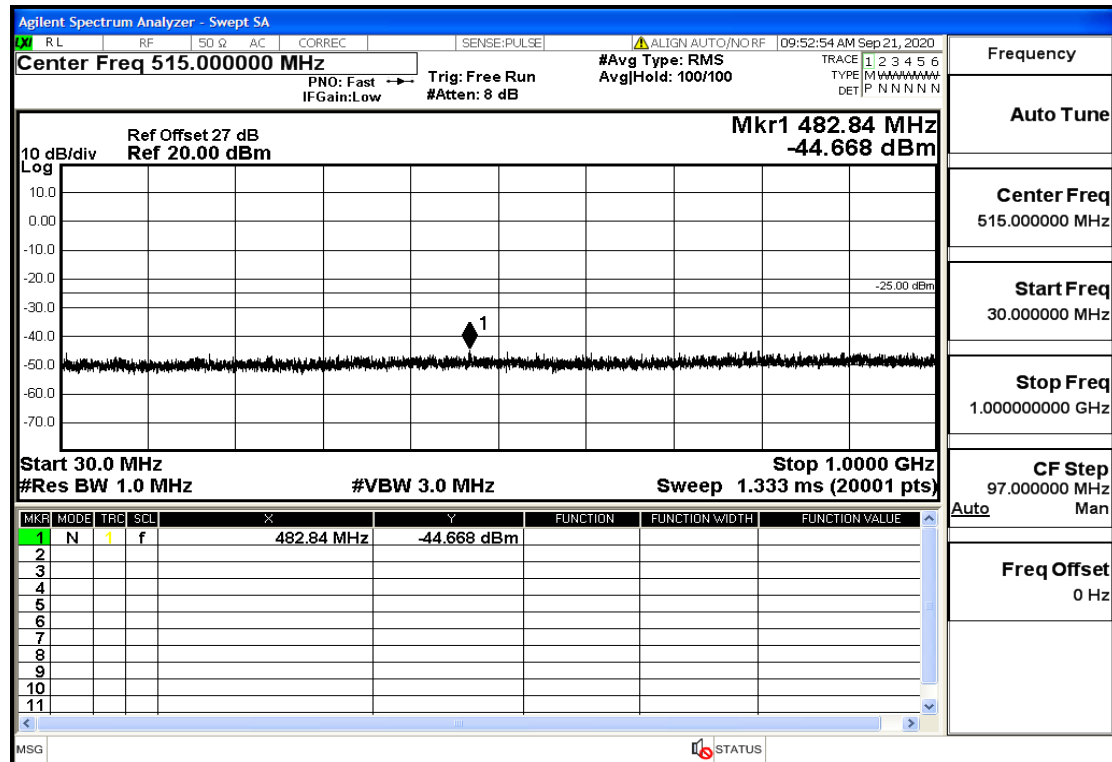
Start 13.600 GHz Stop 20.000 GHz
#Res BW 1.0 MHz #VBW 3.0 MHz Sweep 16.00 ms (20001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	f	f	19.003 20 GHz	-34.913 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

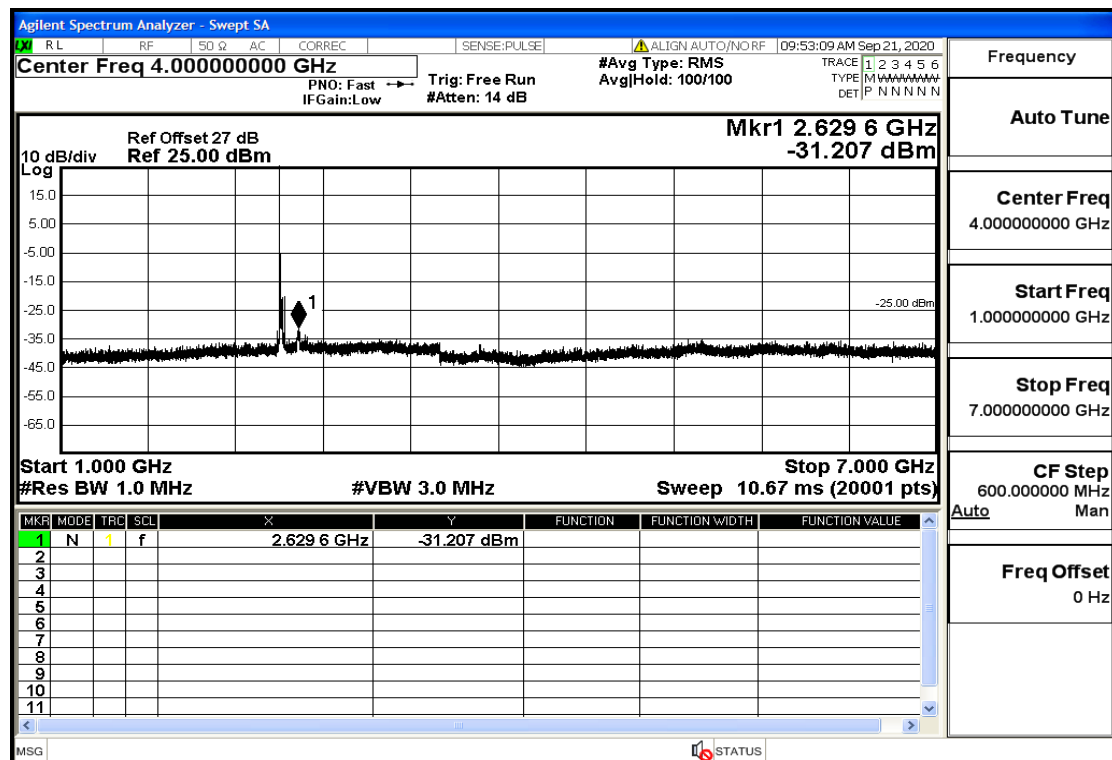
MSG b6 STATUS

Frequency
Auto Tune
Center Freq
16.80000000 GHz
Start Freq
13.60000000 GHz
Stop Freq
20.00000000 GHz
CF Step
640.000000 MHz
Man
Auto
Freq Offset
0 Hz

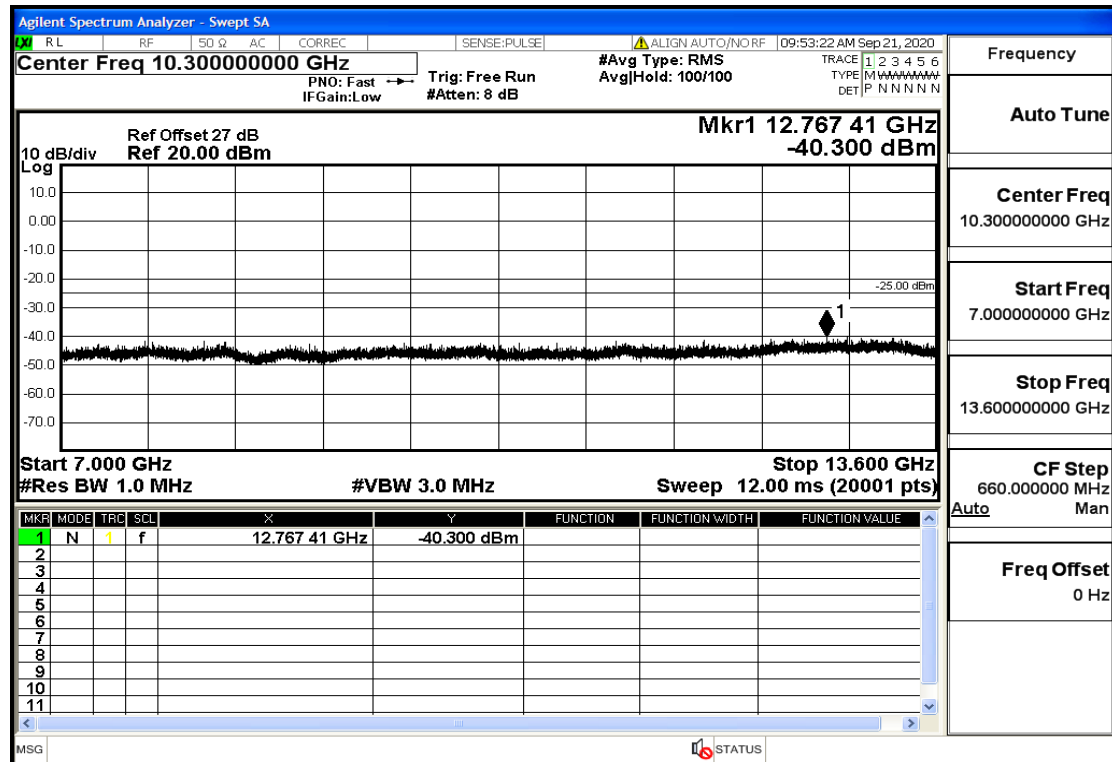
OB7-20-2510-QPSK-1#LOW@30mHz-1GHz@Pass



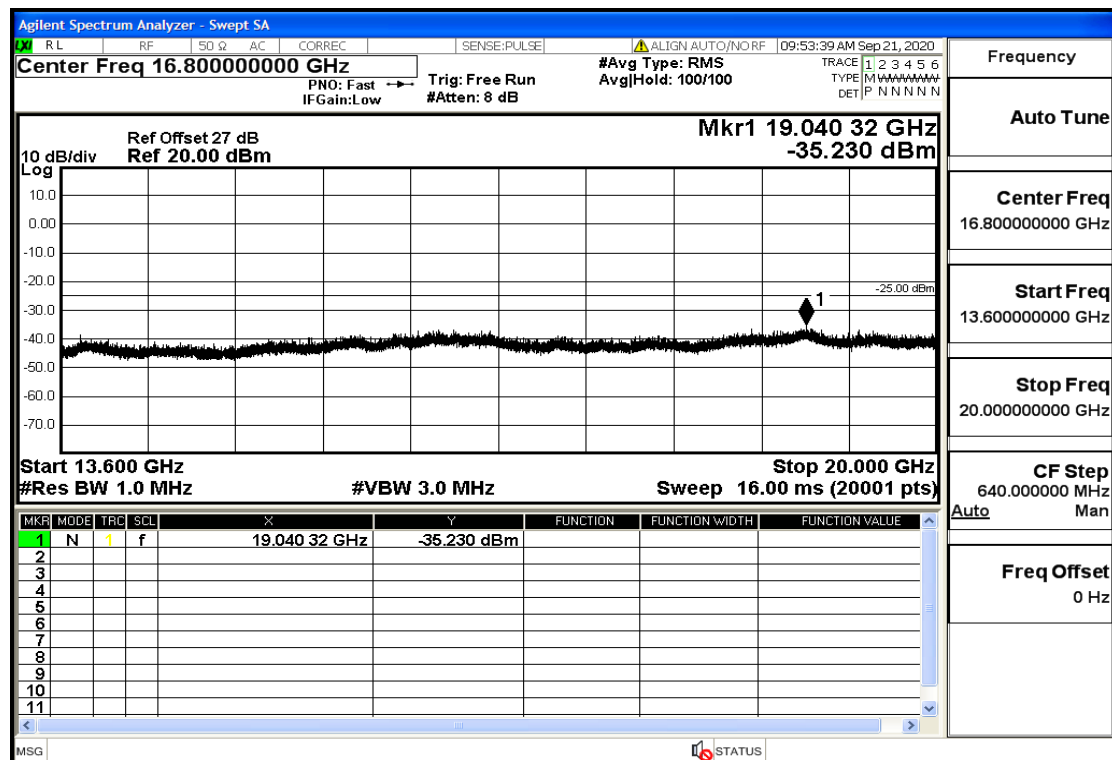
OB7-20-2510-QPSK-1#LOW@1GHz-7GHz@Pass



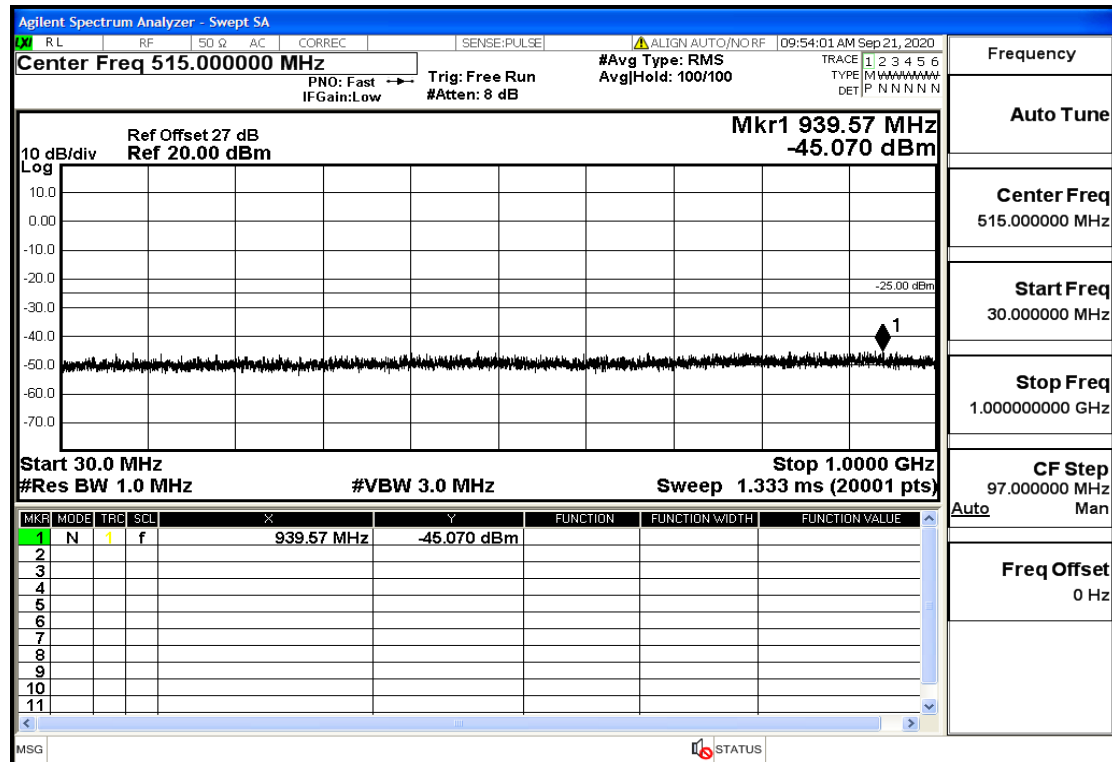
OB7-20-2510-QPSK-1#LOW@7GHz-13.6GHz@Pass



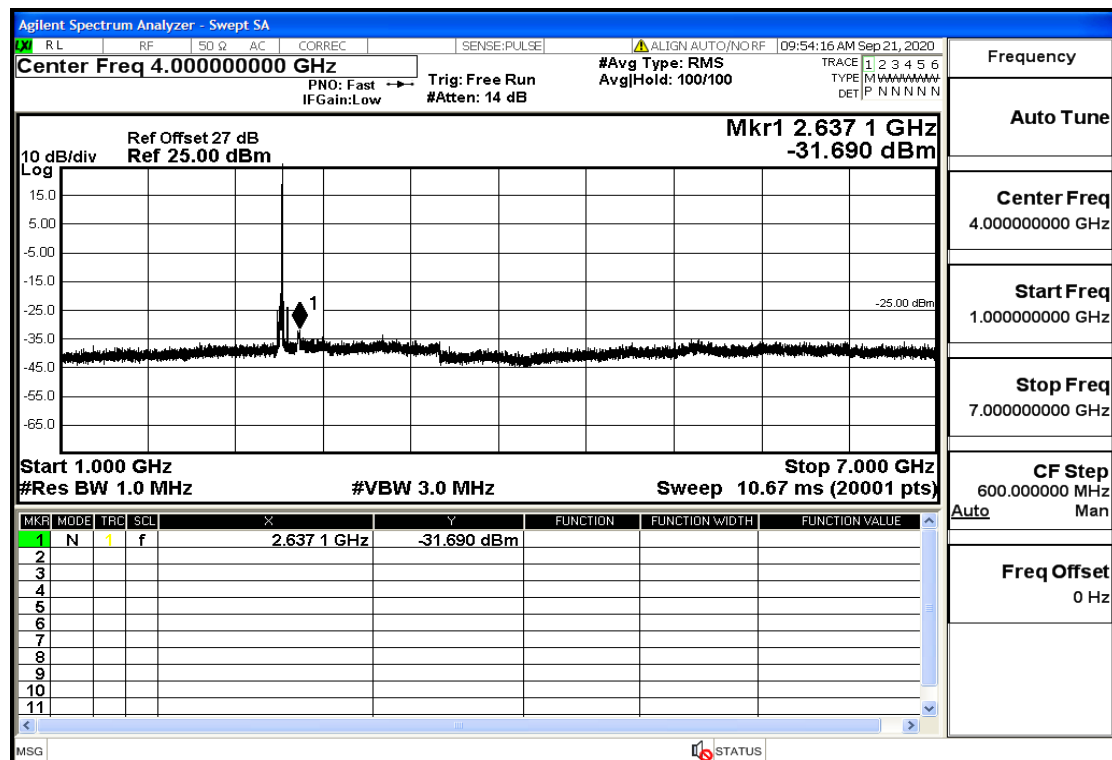
OB7-20-2510-QPSK-1#LOW@13.6GHz-20GHz@Pass



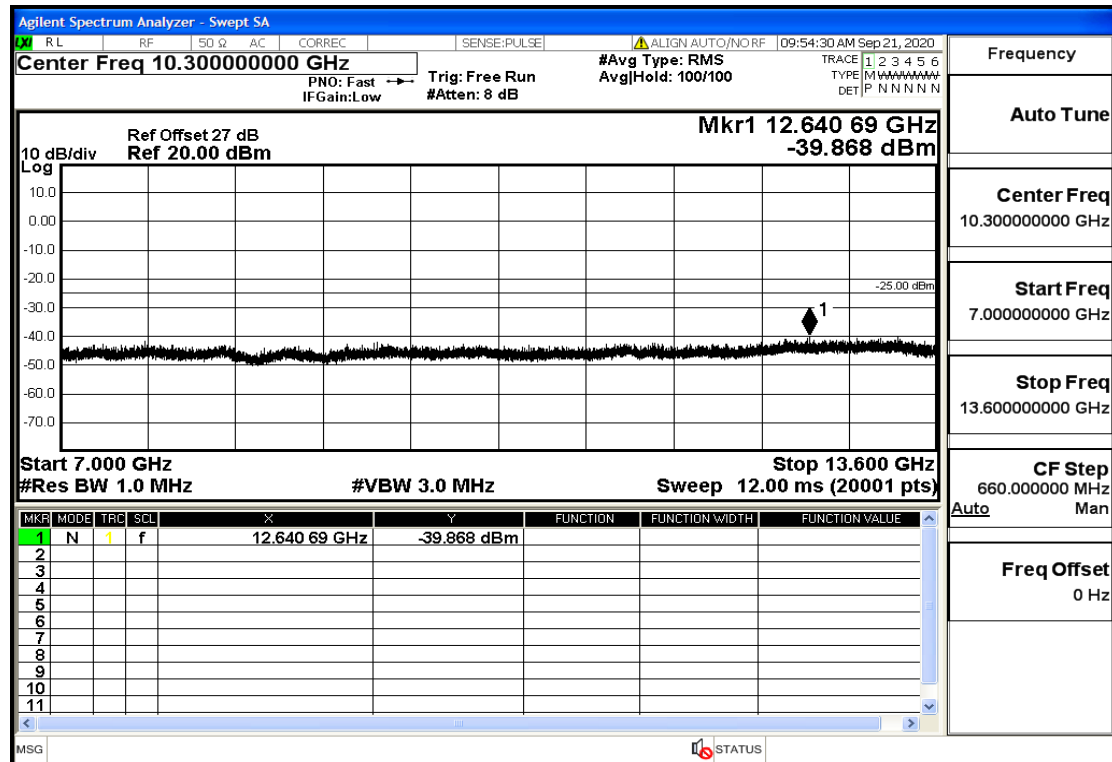
OB7-20-2510-QPSK-1#HIGH@30mHz-1GHz@Pass



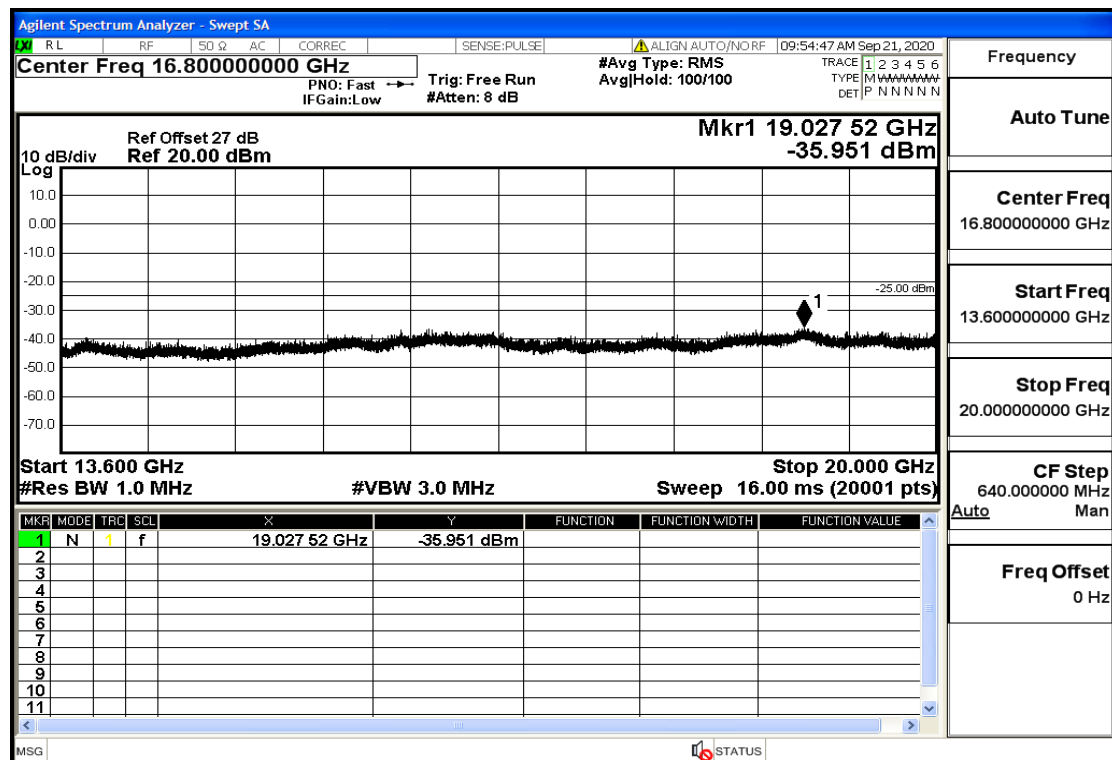
OB7-20-2510-QPSK-1#HIGH@1GHz-7GHz@Pass



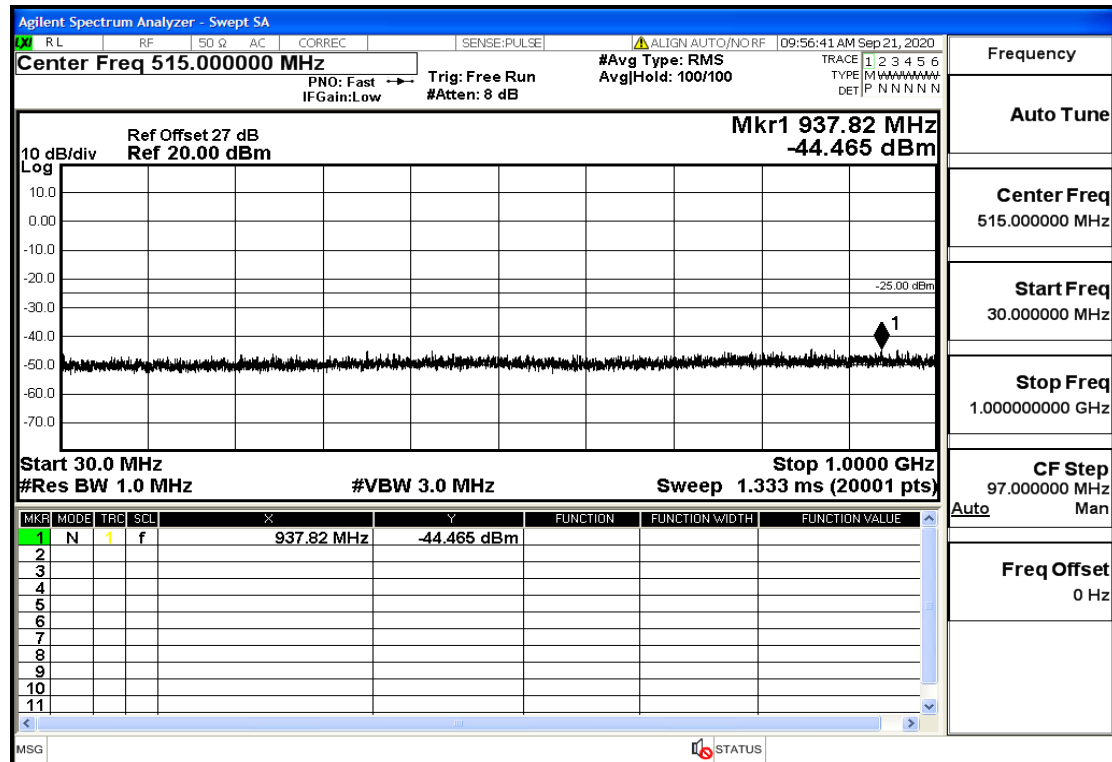
OB7-20-2510-QPSK-1#HIGH@7GHz-13.6GHz@Pass



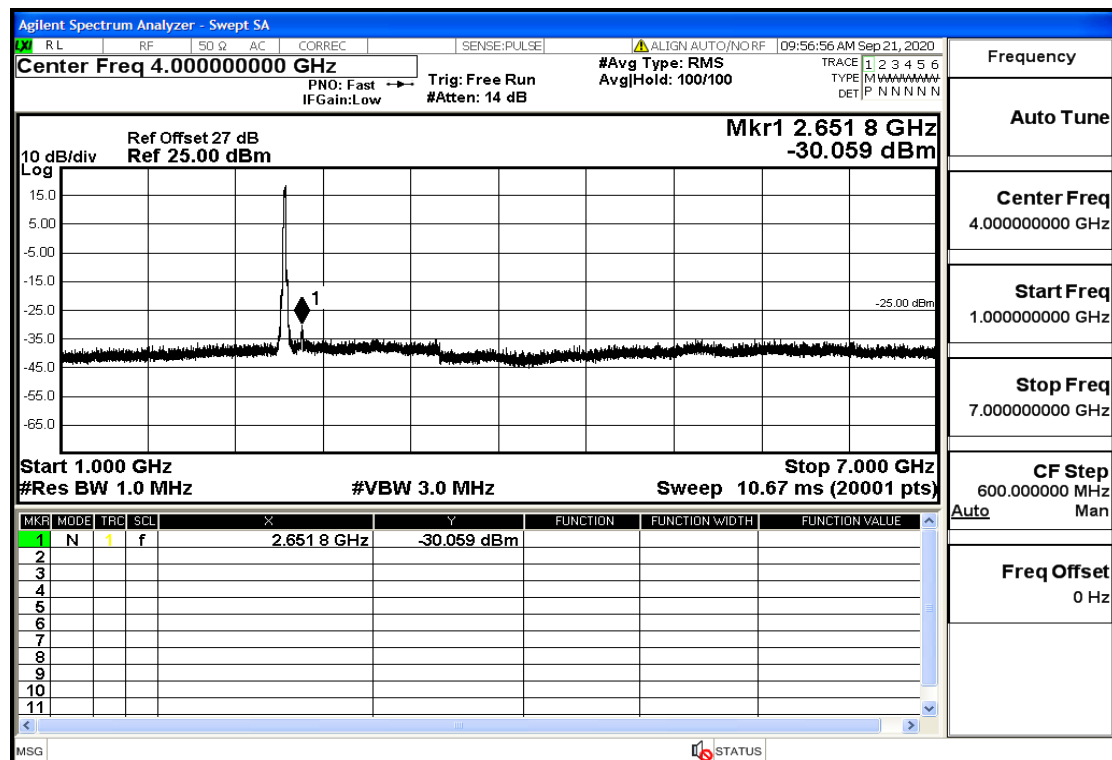
OB7-20-2510-QPSK-1#HIGH@13.6GHz-20GHz@Pass



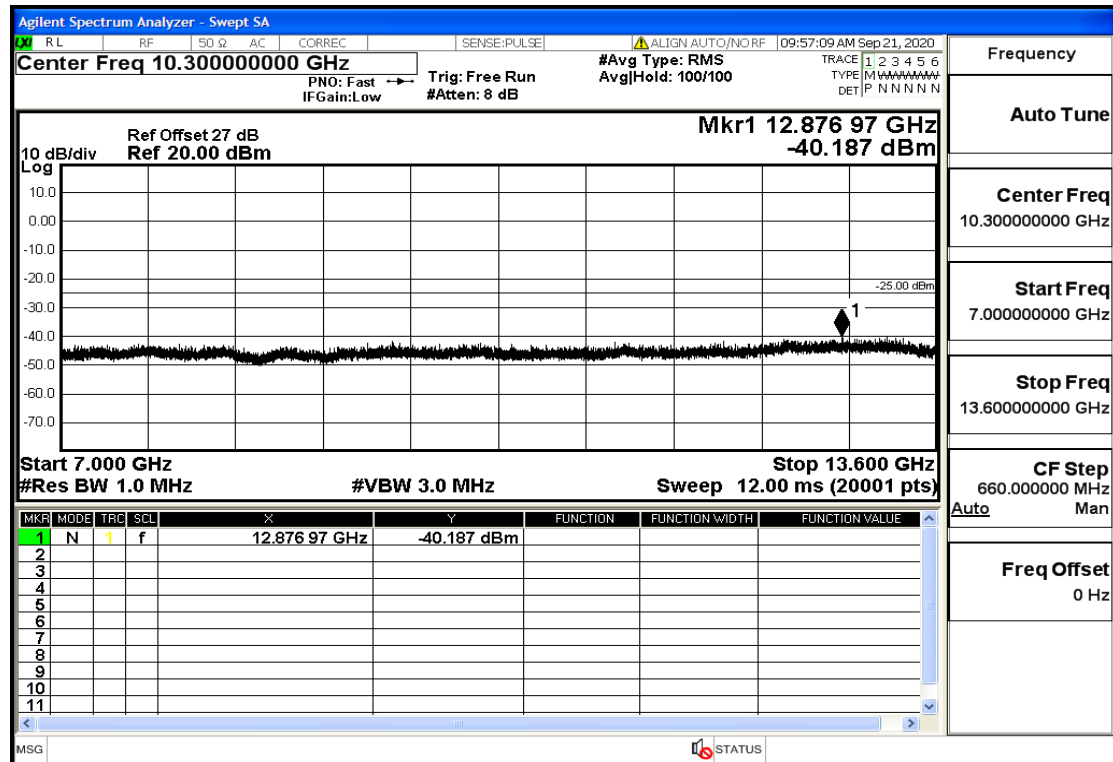
OB7-20-2535-QPSK-100#LOW@30mHz-1GHz@Pass



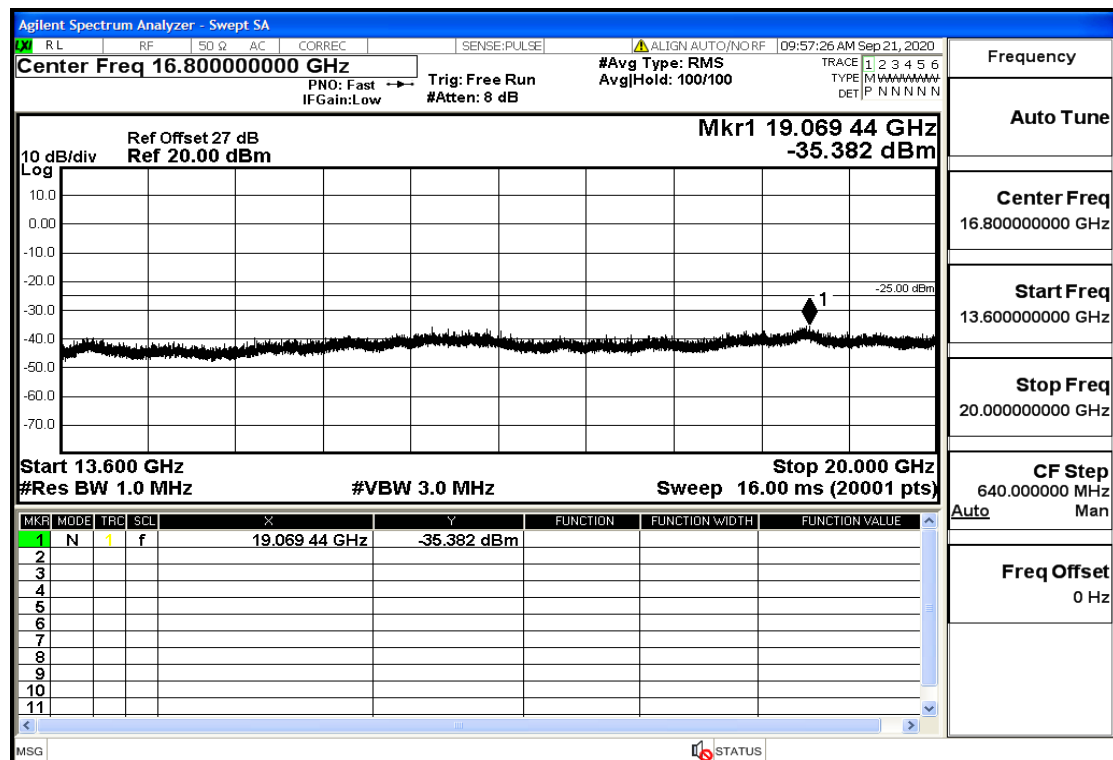
OB7-20-2535-QPSK-100#LOW@1GHz-7GHz@Pass



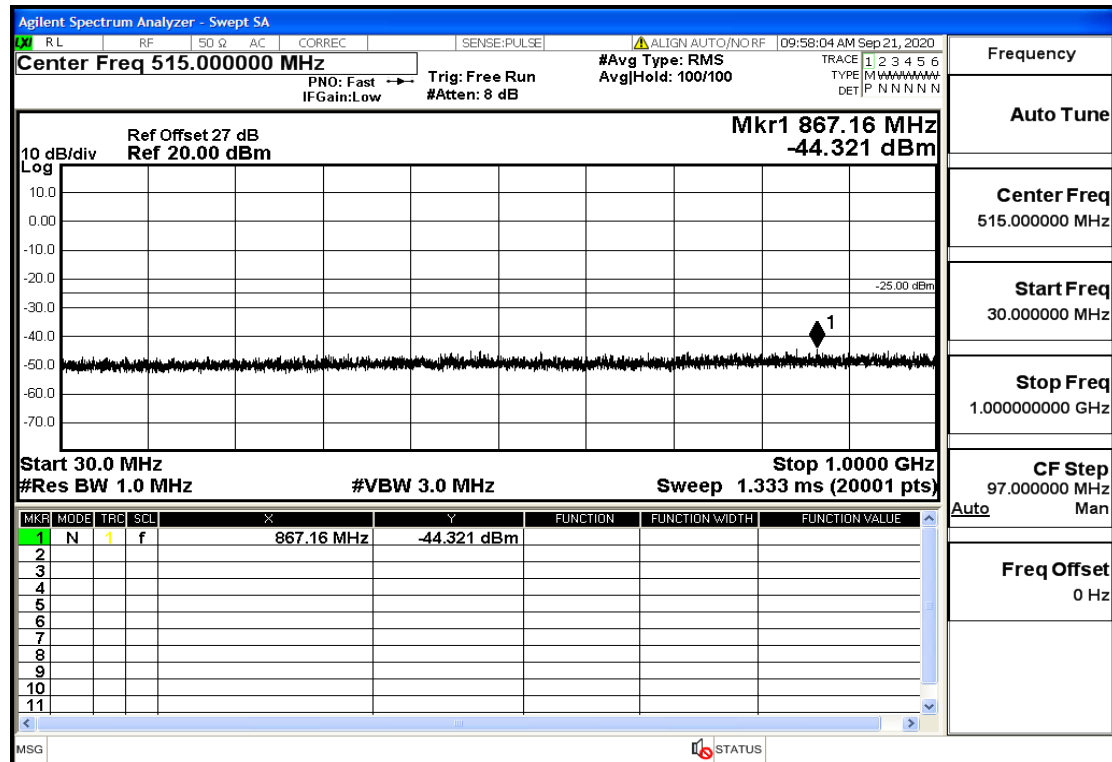
OB7-20-2535-QPSK-100#LOW@7GHz-13.6GHz@Pass



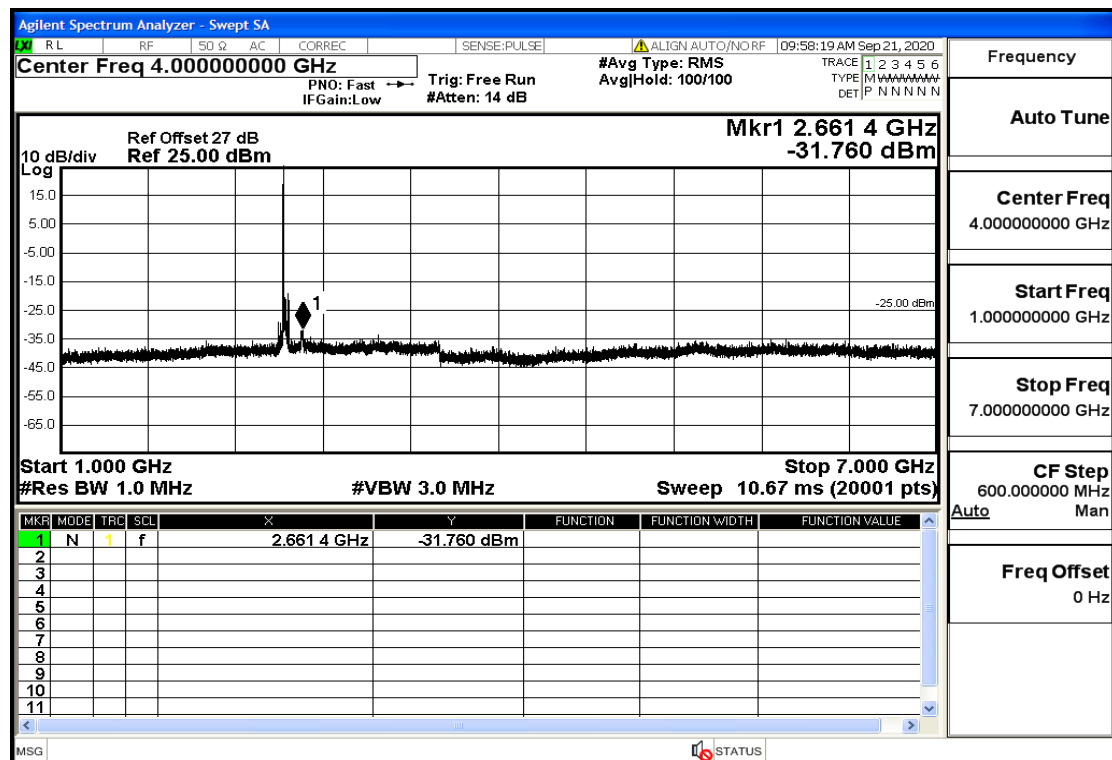
OB7-20-2535-QPSK-100#LOW@13.6GHz-20GHz@Pass



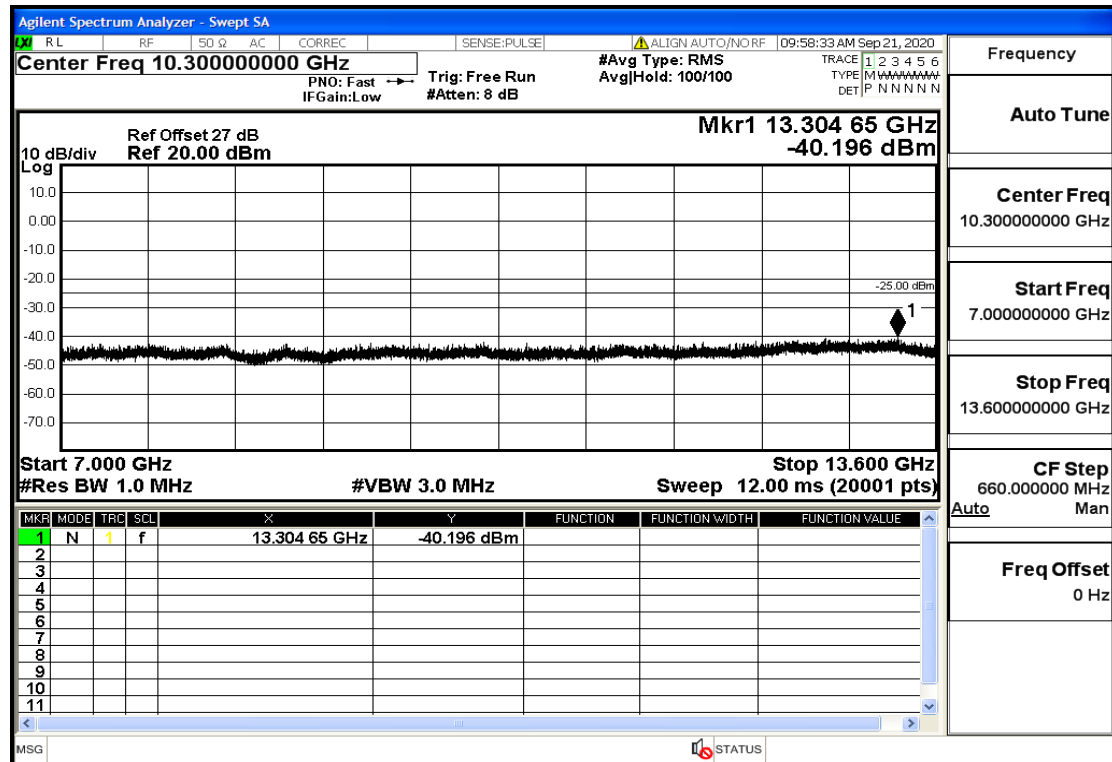
OB7-20-2535-QPSK-1#LOW@30mHz-1GHz@Pass



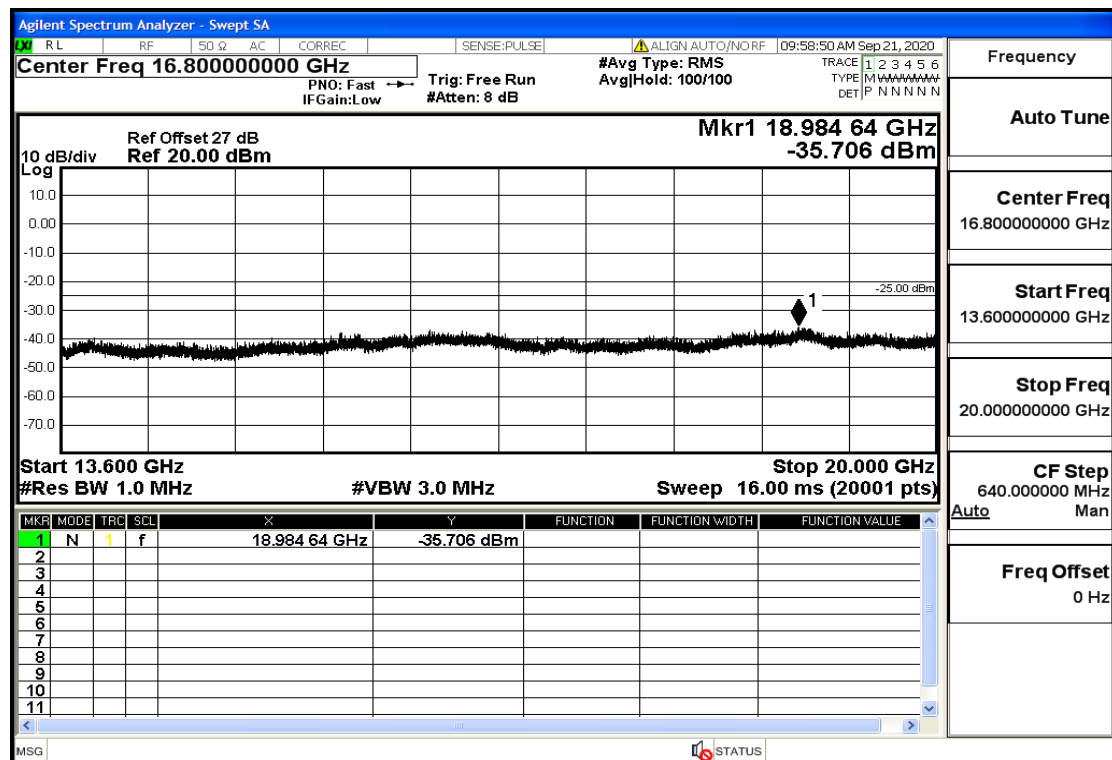
OB7-20-2535-QPSK-1#LOW@1GHz-7GHz@Pass



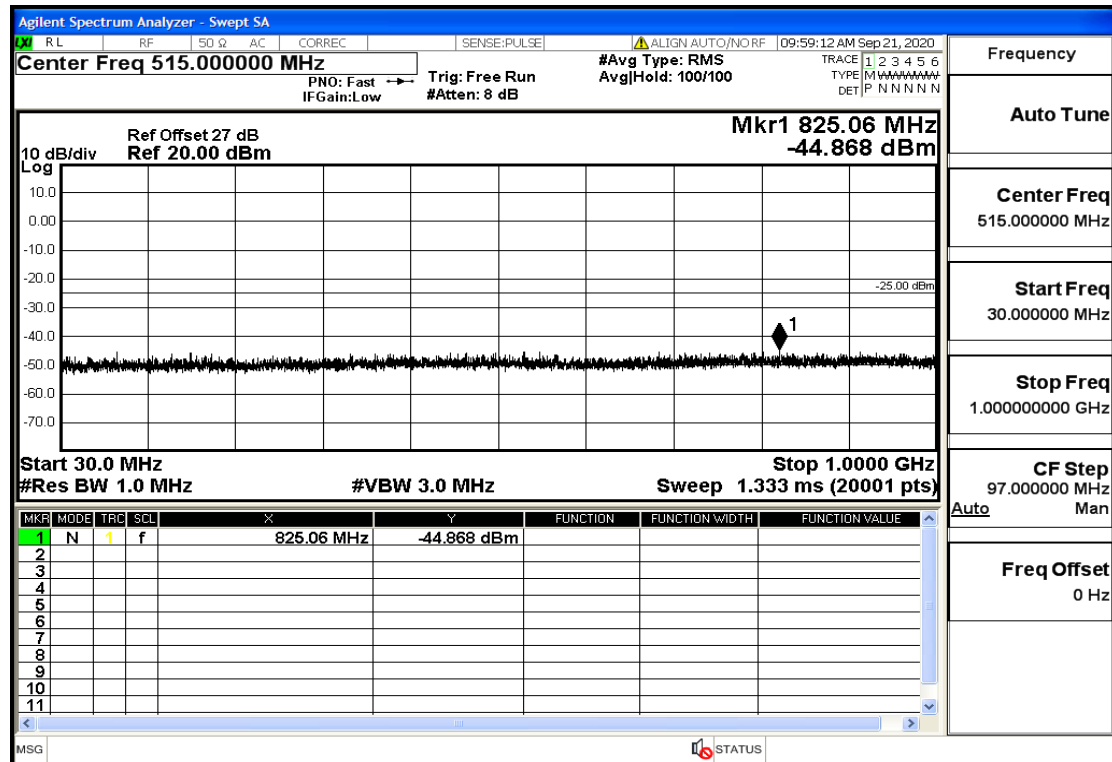
OB7-20-2535-QPSK-1#LOW@7GHz-13.6GHz@Pass



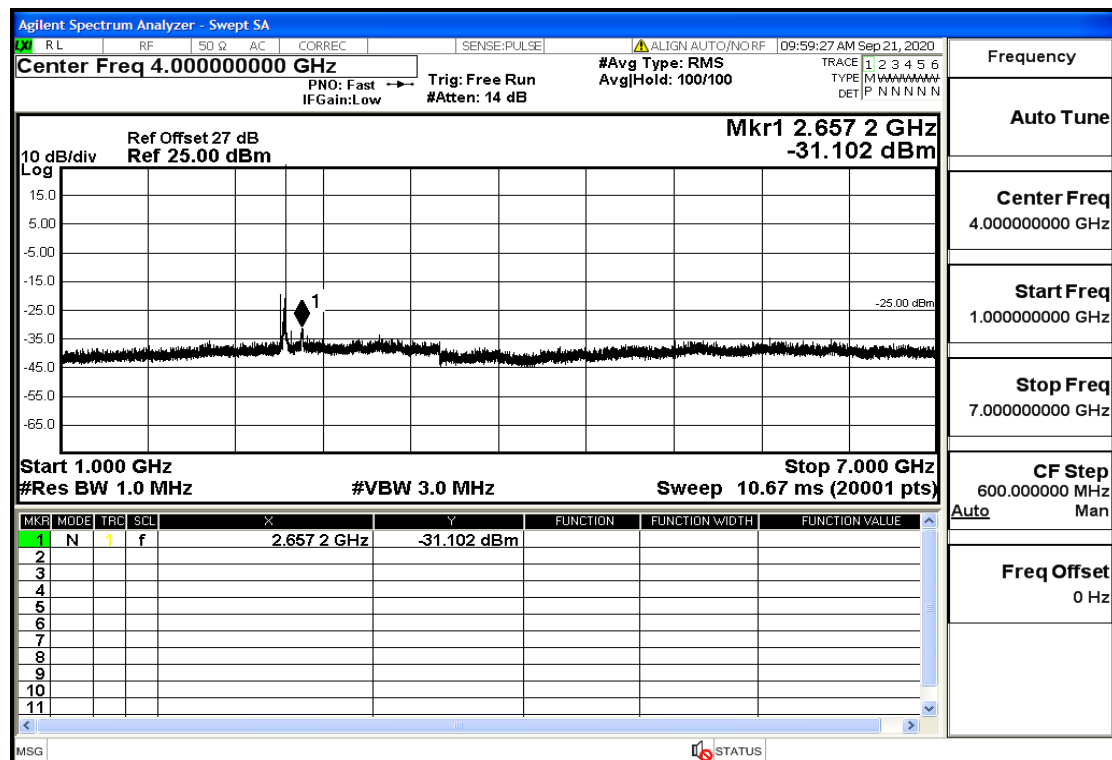
OB7-20-2535-QPSK-1#LOW@13.6GHz-20GHz@Pass



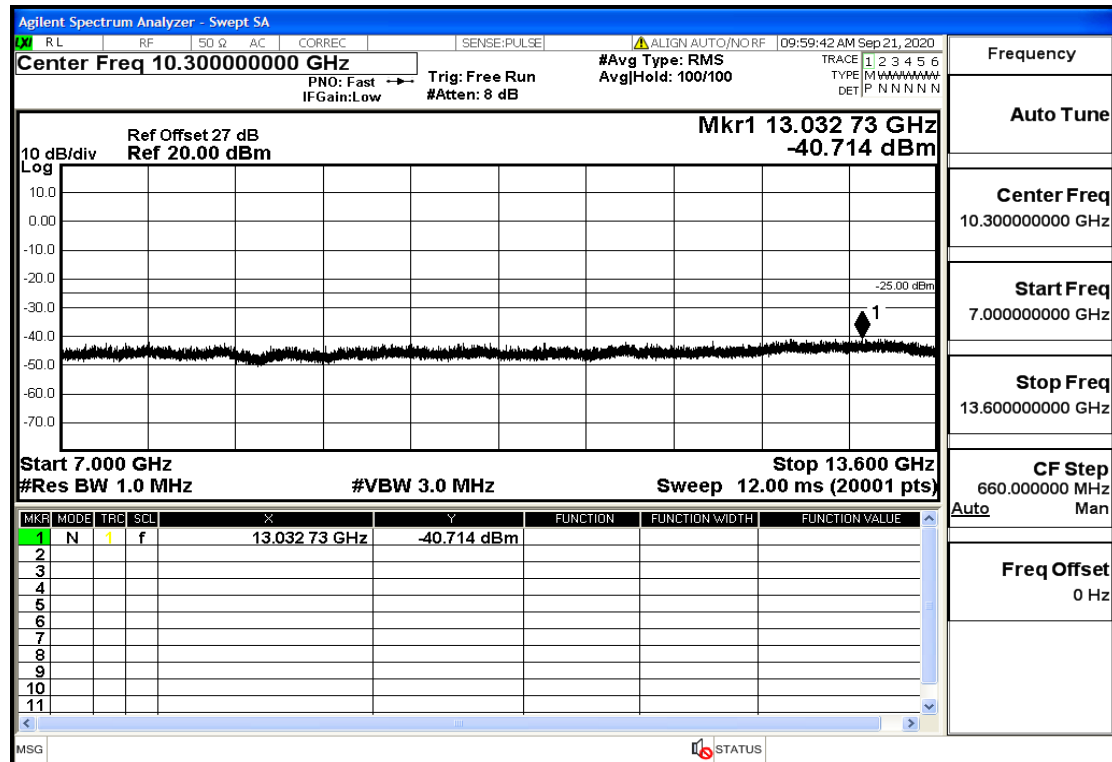
OB7-20-2535-QPSK-1#HIGH@30mHz-1GHz@Pass



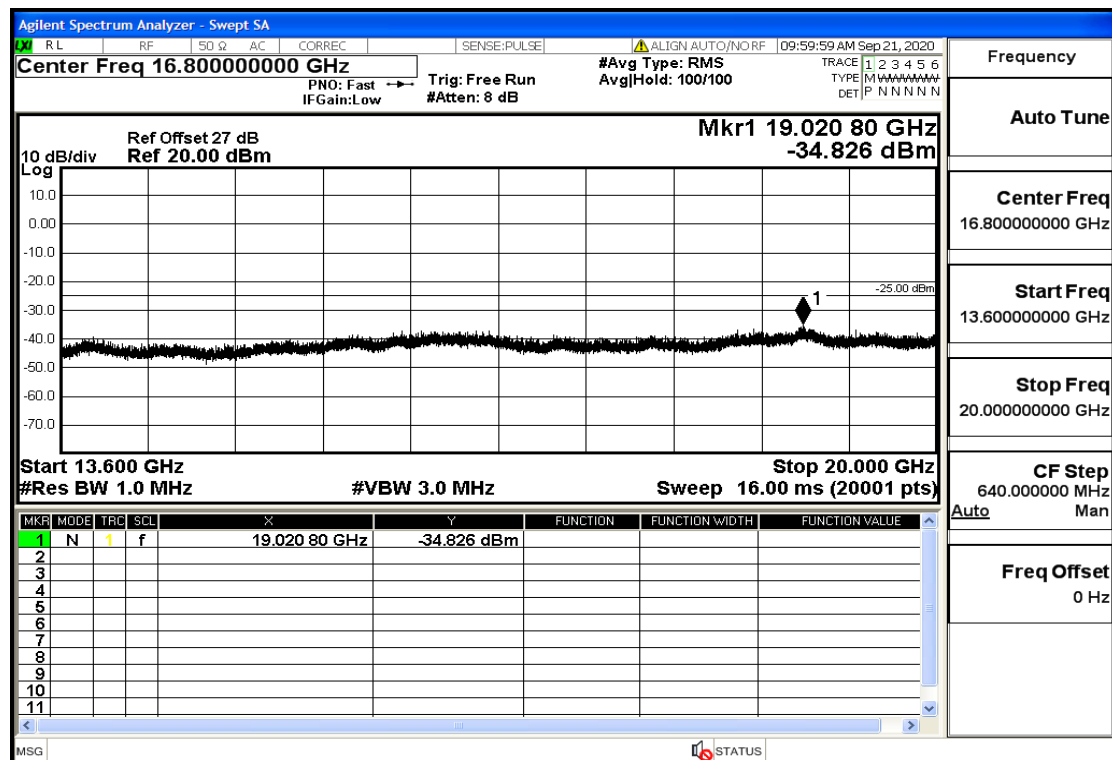
OB7-20-2535-QPSK-1#HIGH@1GHz-7GHz@Pass



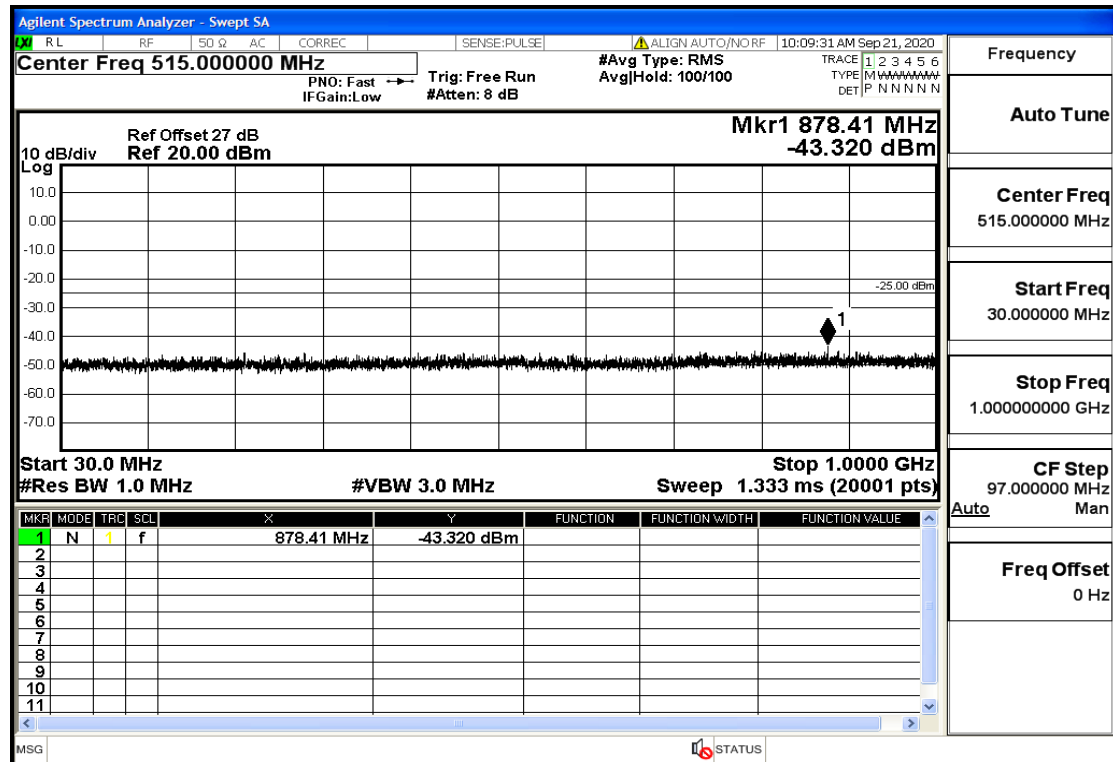
OB7-20-2535-QPSK-1#HIGH@7GHz-13.6GHz@Pass



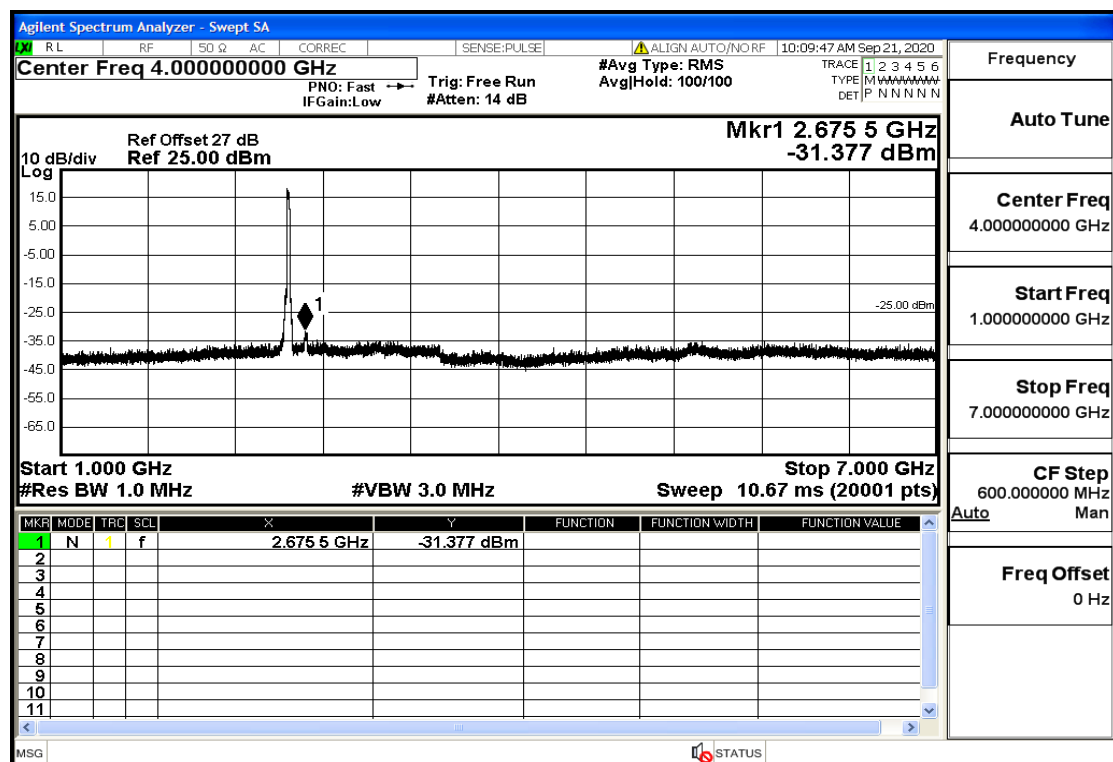
OB7-20-2535-QPSK-1#HIGH@13.6GHz-20GHz@Pass



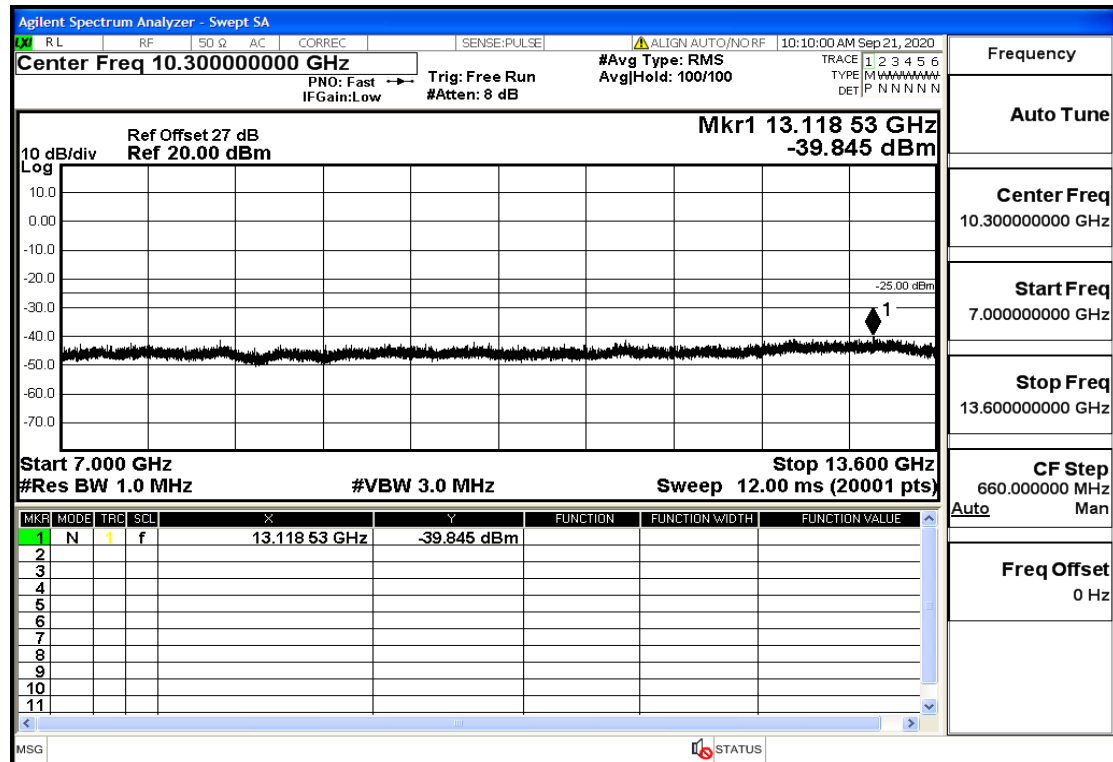
OB7-20-2560-QPSK-100#LOW@30mHz-1GHz@Pass



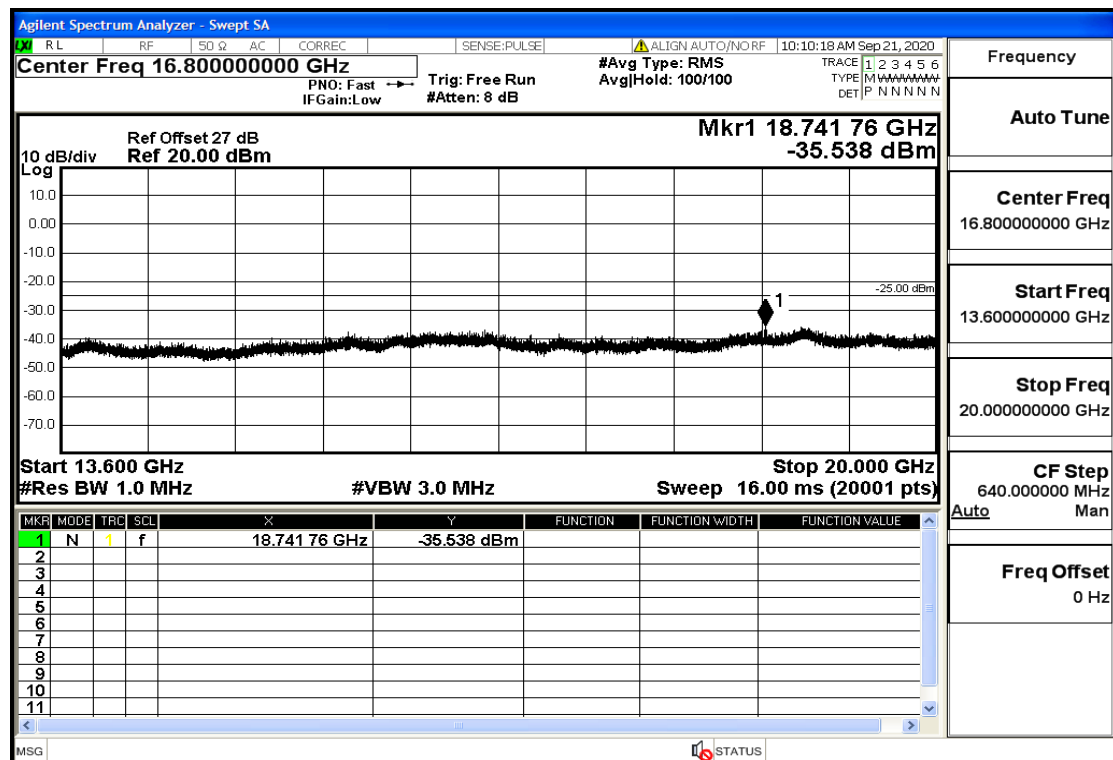
OB7-20-2560-QPSK-100#LOW@1GHz-7GHz@Pass



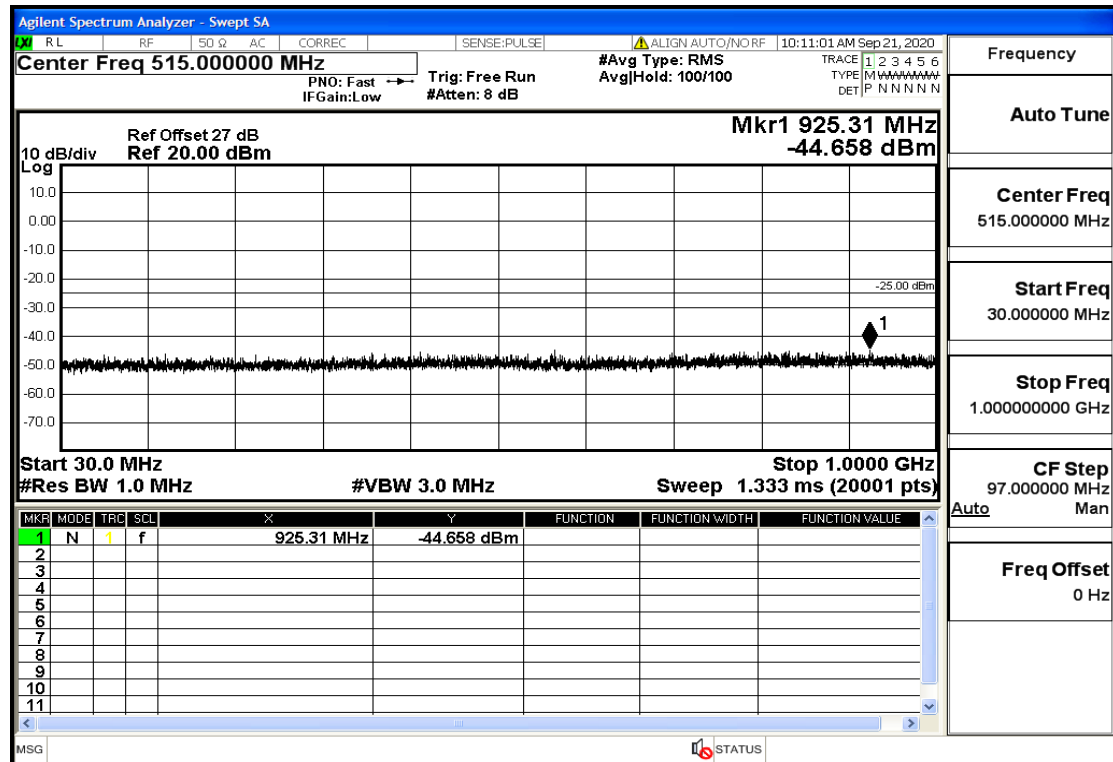
OB7-20-2560-QPSK-100#LOW@7GHz-13.6GHz@Pass



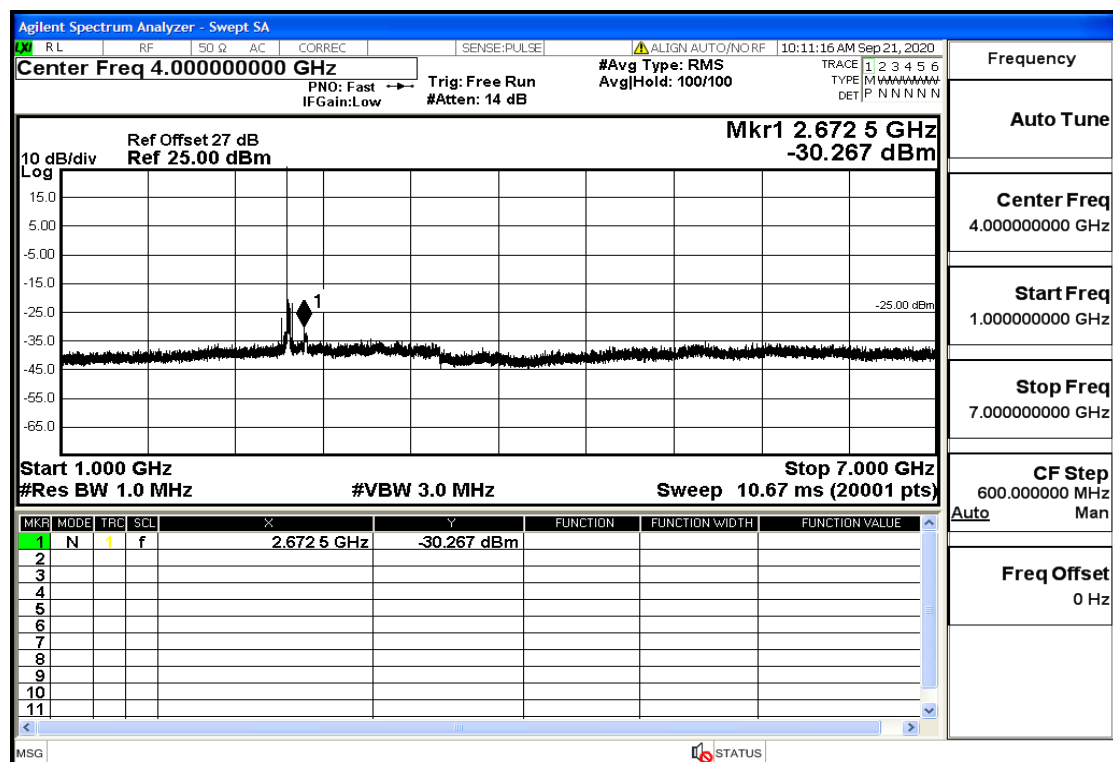
OB7-20-2560-QPSK-100#LOW@13.6GHz-20GHz@Pass



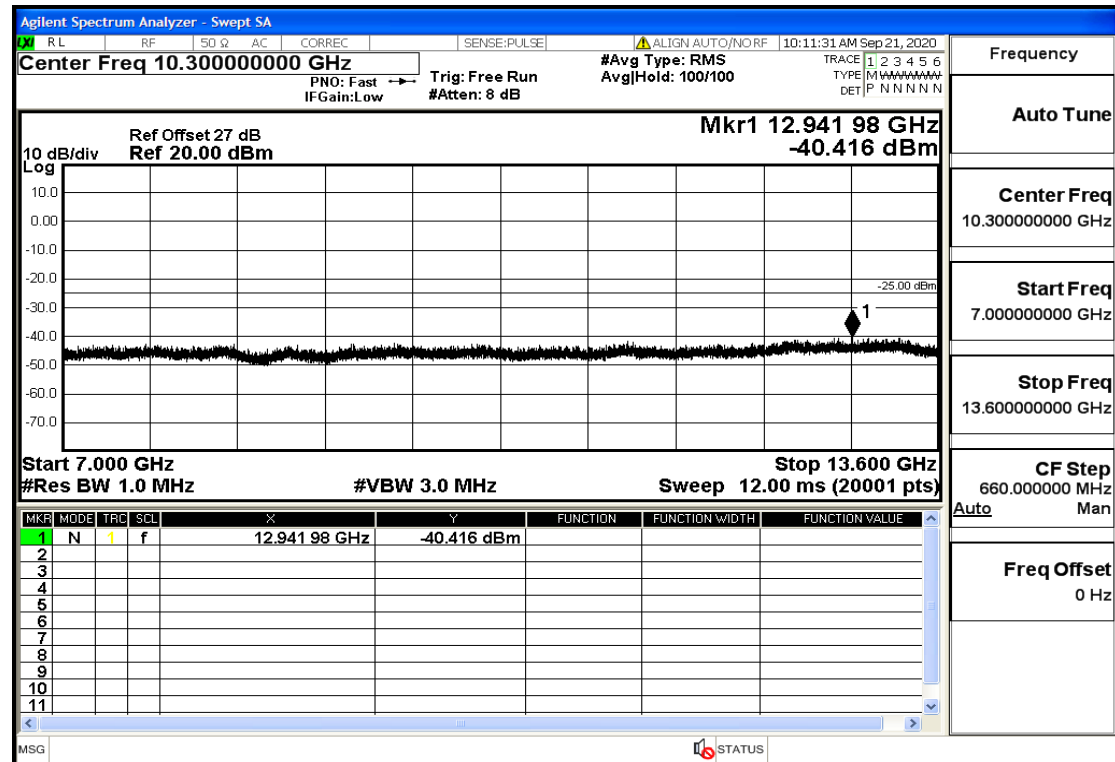
OB7-20-2560-QPSK-1#LOW@30mHz-1GHz@Pass



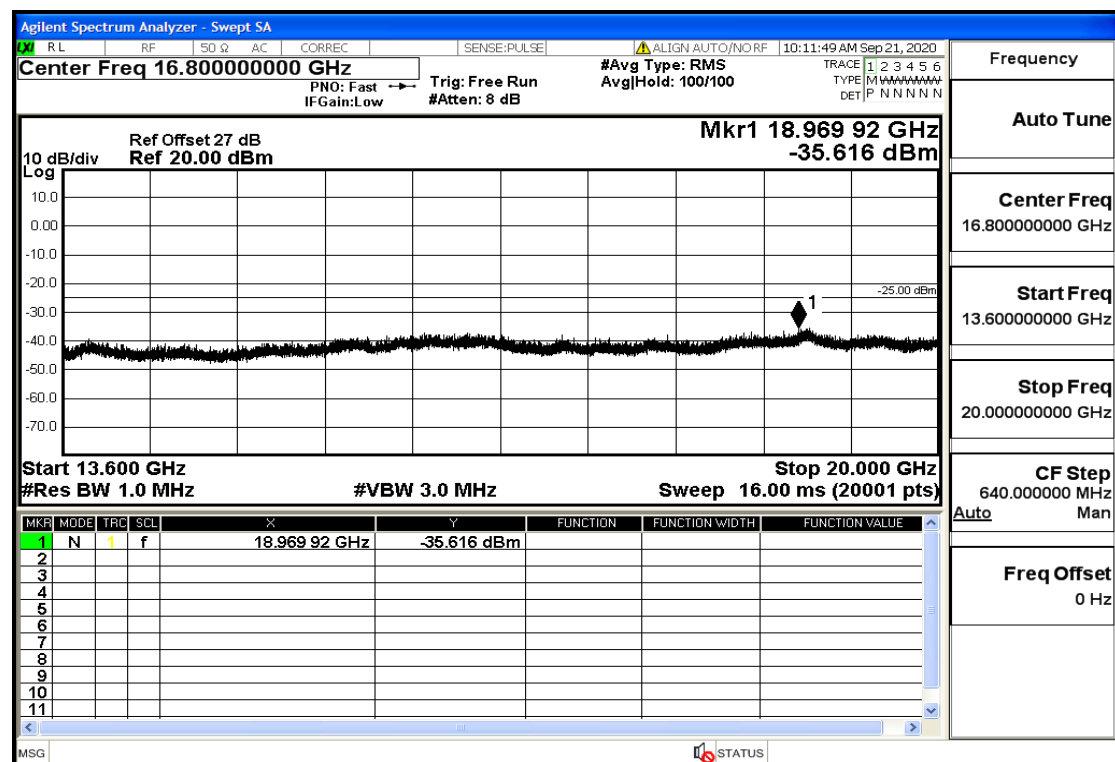
OB7-20-2560-QPSK-1#LOW@1GHz-7GHz@Pass



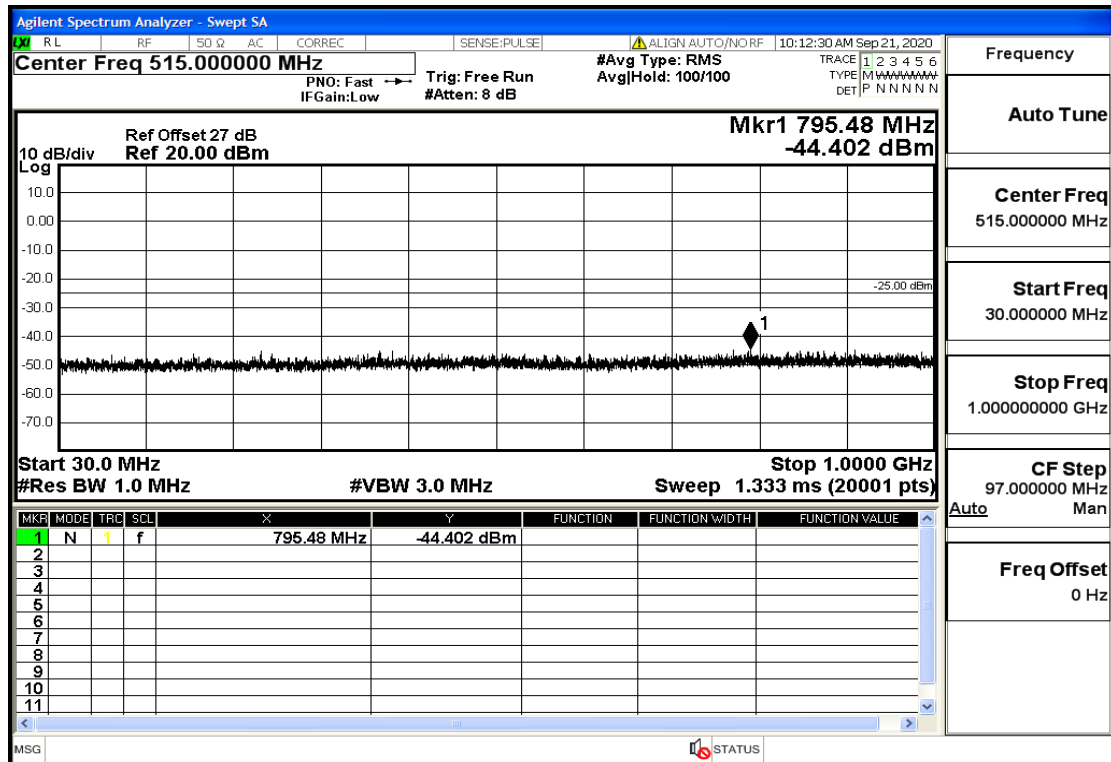
"OB7-20-2560-QPSK-1#LOW@7GHz-13.6GHz@Pass



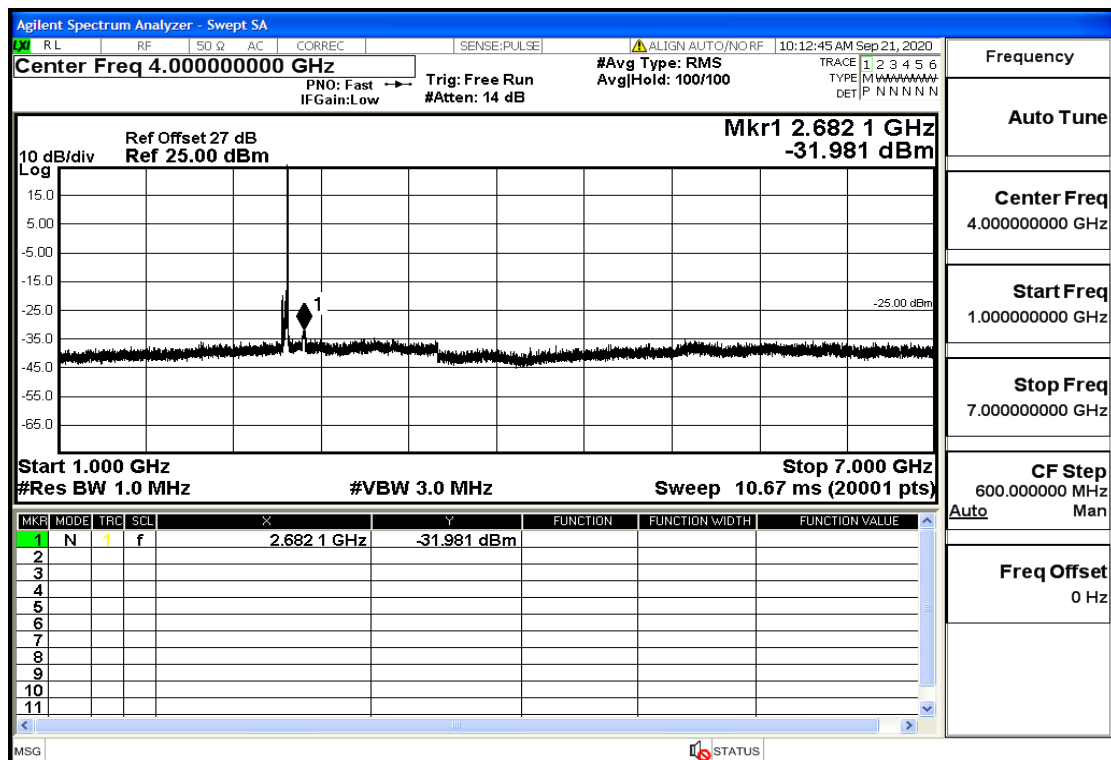
"OB7-20-2560-QPSK-1#LOW@13.6GHz-20GHz@Pass



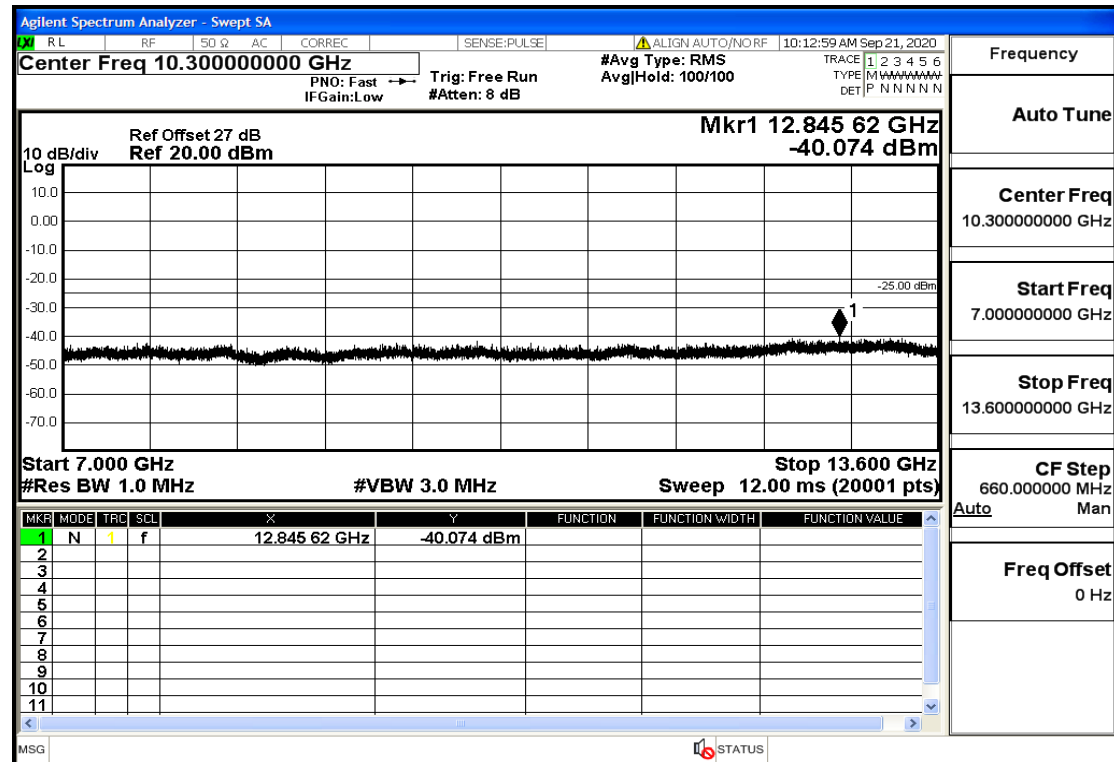
"OB7-20-2560-QPSK-1#HIGH@30mHz-1GHz@Pass



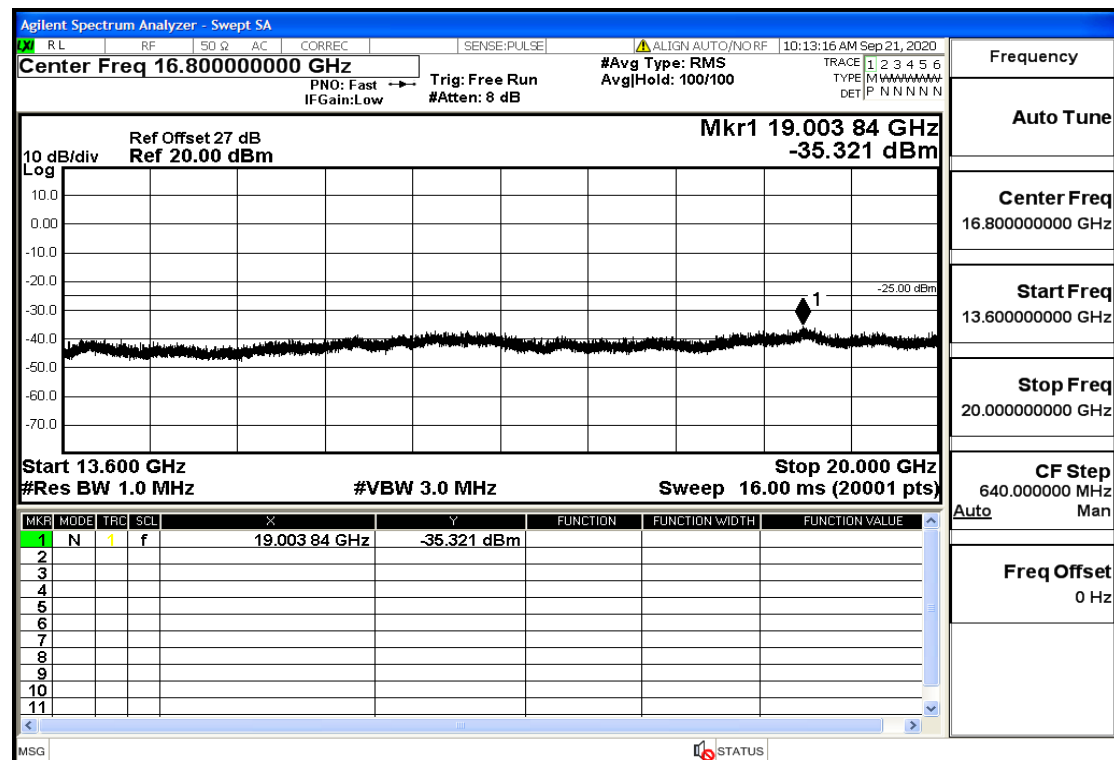
"OB7-20-2560-QPSK-1#HIGH@1GHz-7GHz@Pass



"OB7-20-2560-QPSK-1#HIGH@7GHz-13.6GHz@Pass



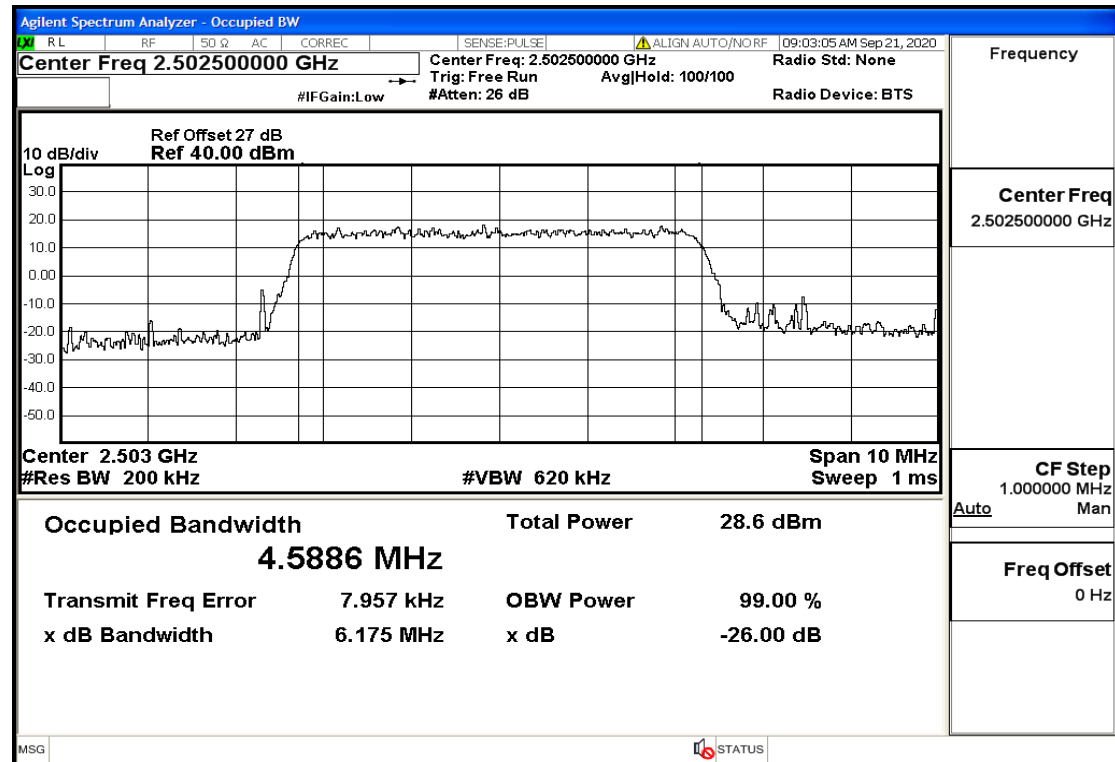
"OB7-20-2560-QPSK-1#HIGH@13.6GHz-20GHz@Pass



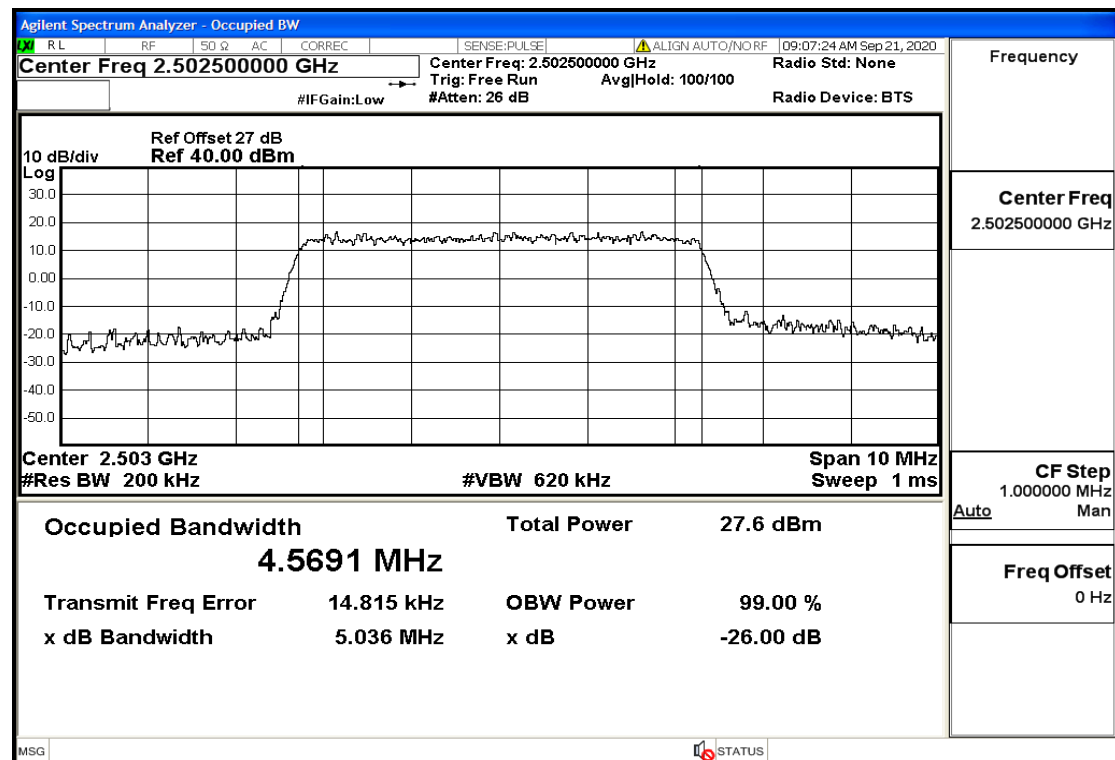
Emission bandwidth and OBW

Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Occupied Bandwidth(KHz)	Emission Bandwidth(KHz)	Limit
Band7	5	2502.5	QPSK	25	LOW	4588.6	6175	No limit
Band7	5	2502.5	16QAM	25	LOW	4569.1	5036	No limit
Band7	5	2535	QPSK	25	LOW	4567.9	5063	No limit
Band7	5	2535	16QAM	25	LOW	4591.4	5016	No limit
Band7	5	2567.5	QPSK	25	LOW	4572.1	5034	No limit
Band7	5	2567.5	16QAM	25	LOW	4587.4	4966	No limit
Band7	10	2505	QPSK	50	LOW	9084.7	10042	No limit
Band7	10	2505	16QAM	50	LOW	9112.7	9985	No limit
Band7	10	2535	QPSK	50	LOW	9122.1	9943	No limit
Band7	10	2535	16QAM	50	LOW	9084.4	9857	No limit
Band7	10	2565	QPSK	50	LOW	9116.7	9975	No limit
Band7	10	2565	16QAM	50	LOW	9114.3	9938	No limit
Band7	15	2507.5	QPSK	75	LOW	13682.6	14981	No limit
Band7	15	2507.5	16QAM	75	LOW	13664.4	14861	No limit
Band7	15	2535	QPSK	75	LOW	13746	15075	No limit
Band7	15	2535	16QAM	75	LOW	13680	14878	No limit
Band7	15	2562.5	QPSK	75	LOW	13696.2	14893	No limit
Band7	15	2562.5	16QAM	75	LOW	13650.2	14921	No limit
Band7	20	2510	QPSK	100	LOW	18149.8	19875	No limit
Band7	20	2510	16QAM	100	LOW	18178.5	19849	No limit
Band7	20	2535	QPSK	100	LOW	18291.2	19922	No limit
Band7	20	2535	16QAM	100	LOW	18246.9	19970	No limit
Band7	20	2560	QPSK	100	LOW	18204.9	19757	No limit
Band7	20	2560	16QAM	100	LOW	18198.2	19822	No limit

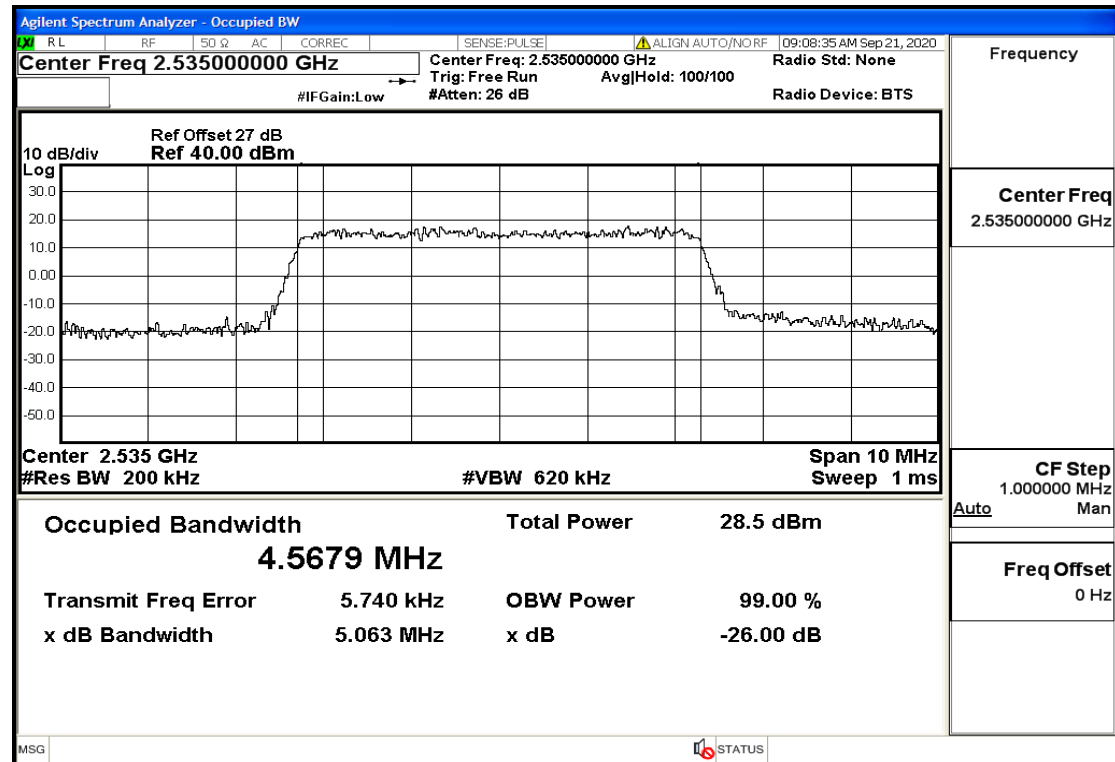
Band7-5-2502.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



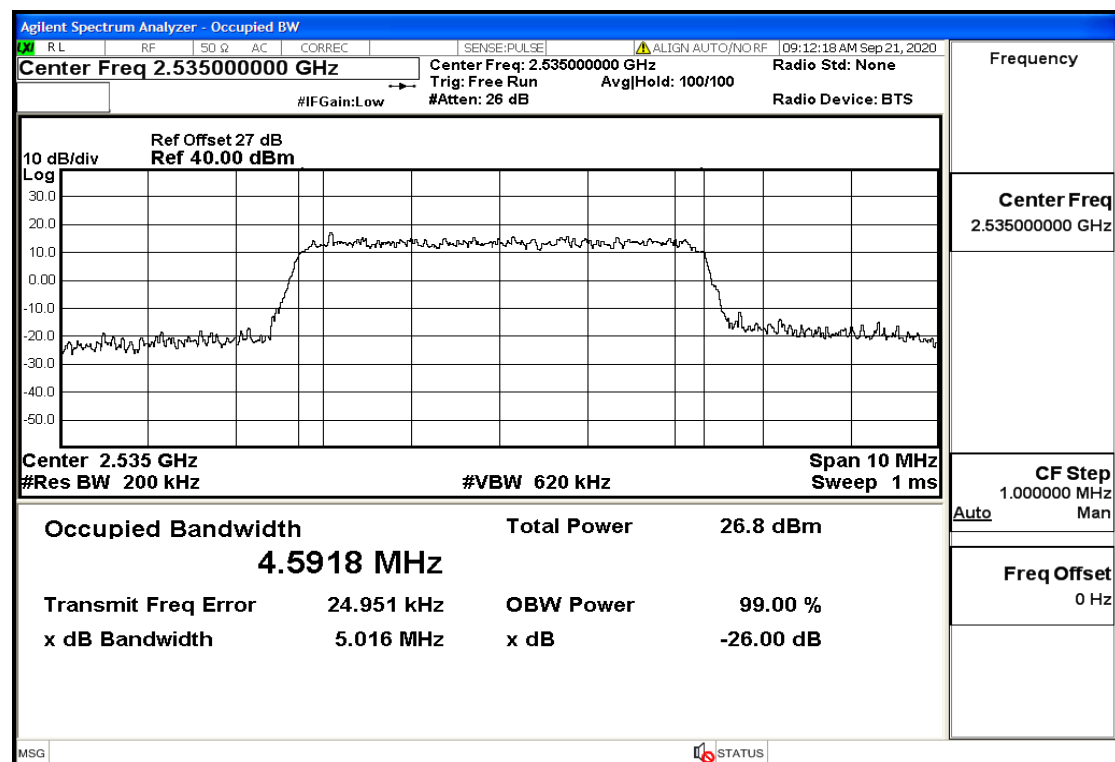
Band7-5-2502.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



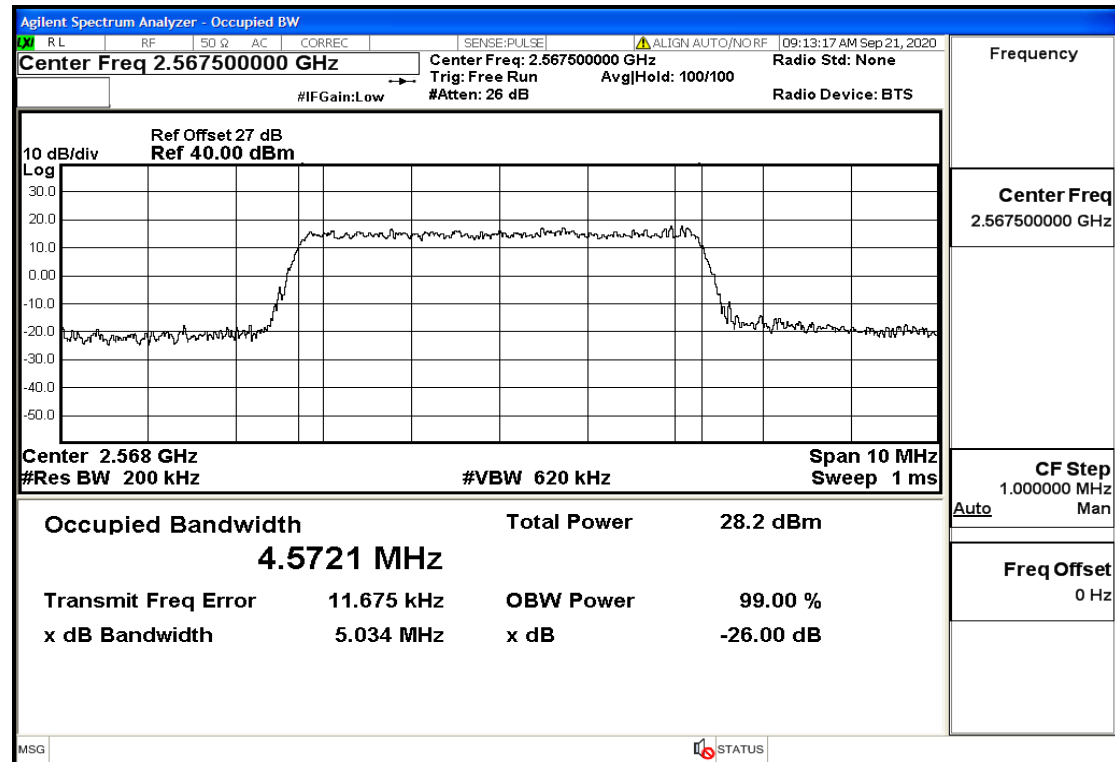
Band7-5-2535-QPSK-25#LOW@26dB and 99PCT Bandwidth



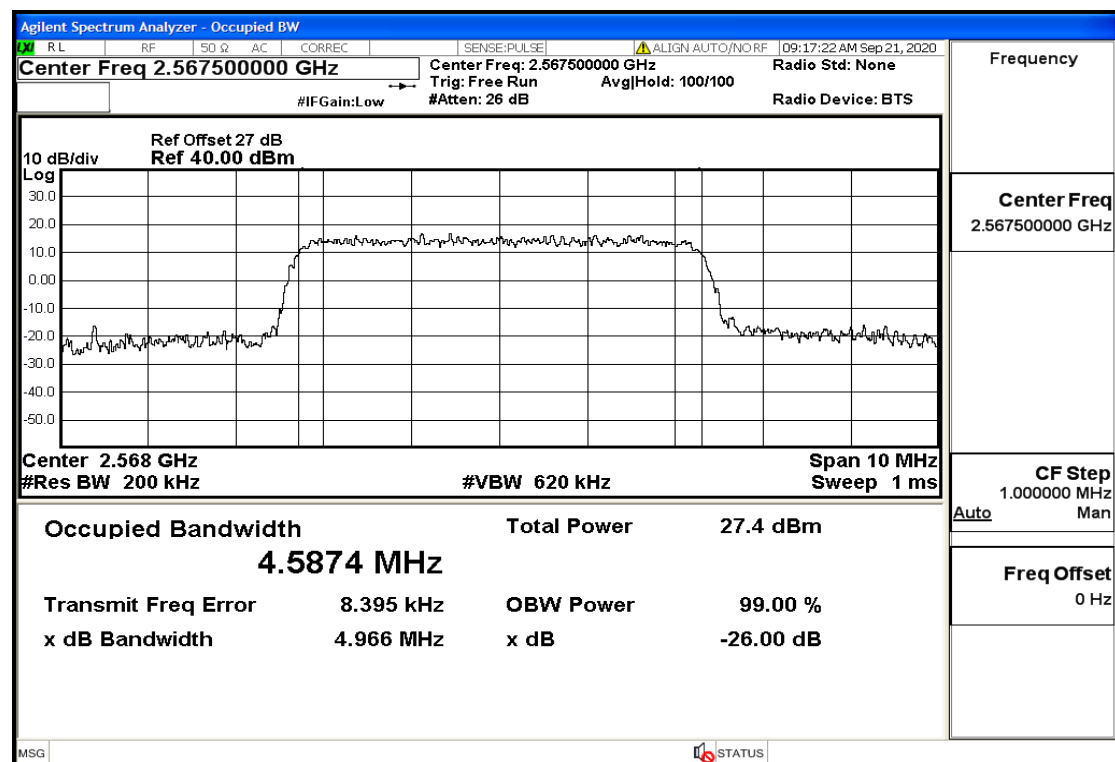
Band7-5-2535-16QAM-25#LOW@26dB and 99PCT Bandwidth



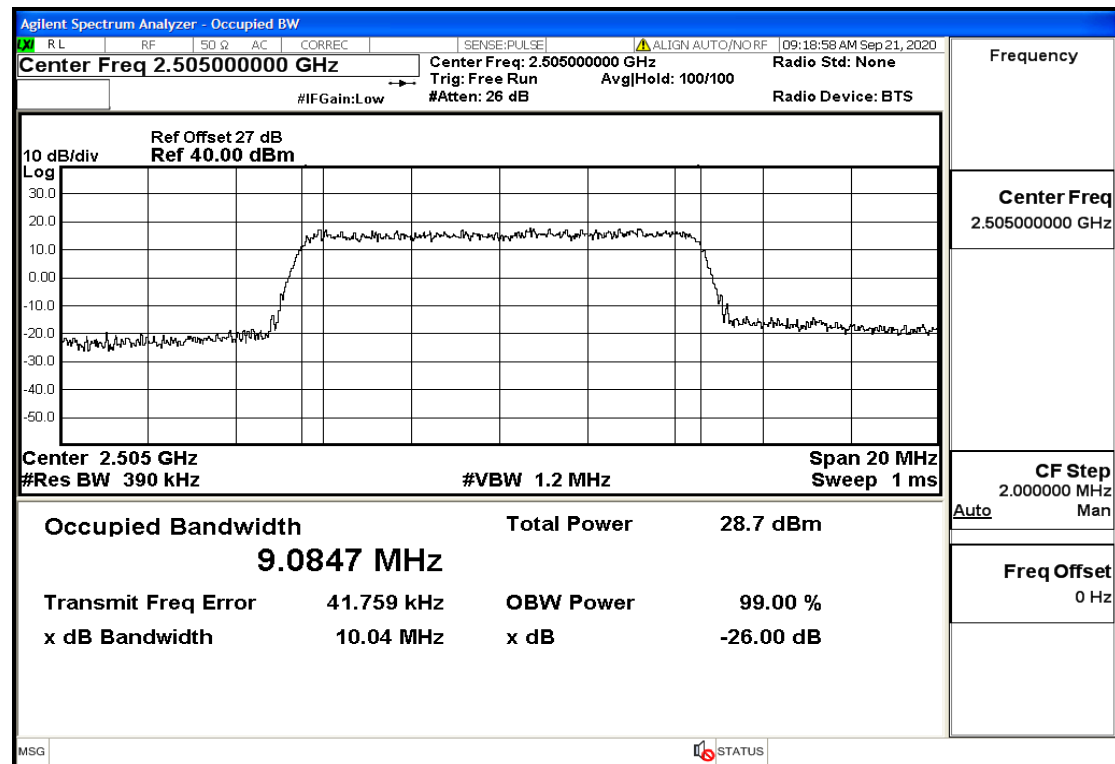
Band7-5-2567.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



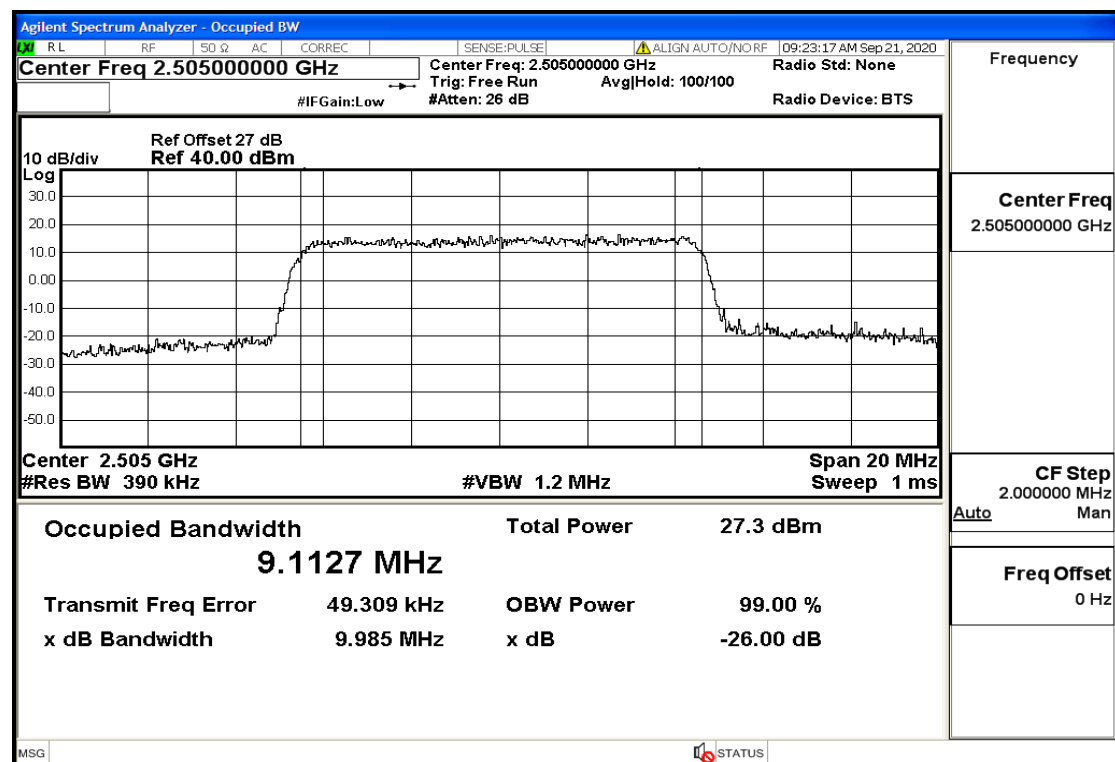
Band7-5-2567.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



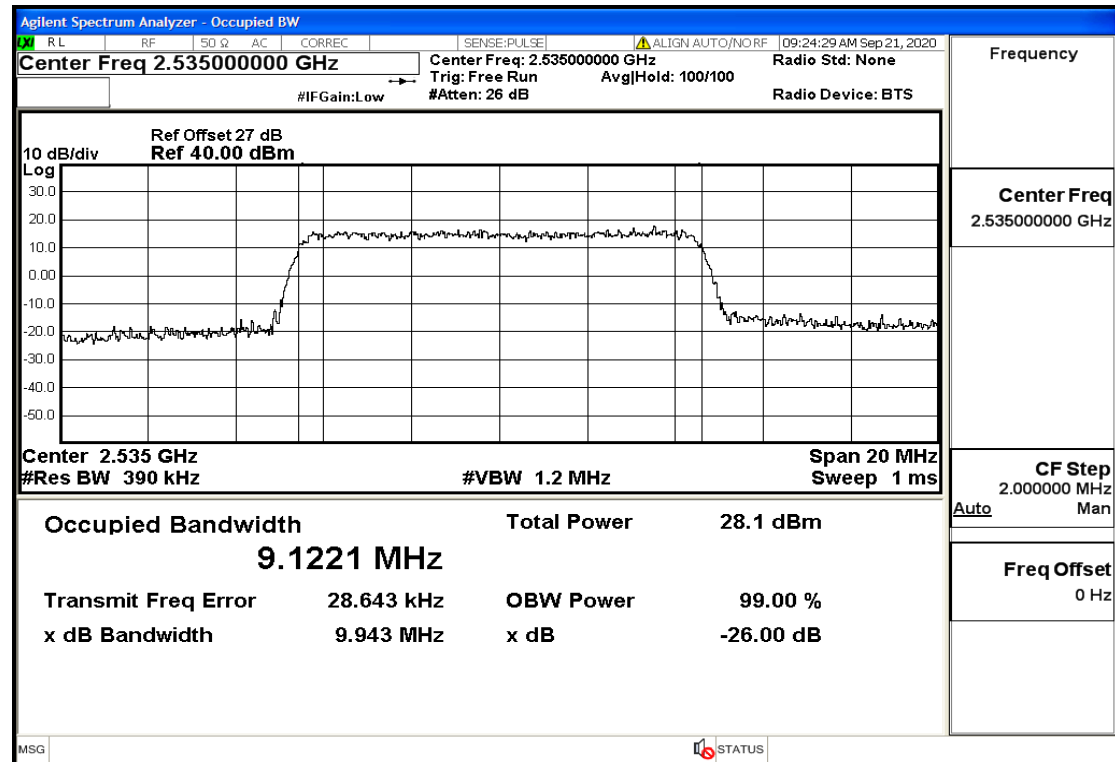
Band7-10-2505-QPSK-50#LOW@26dB and 99PCT Bandwidth



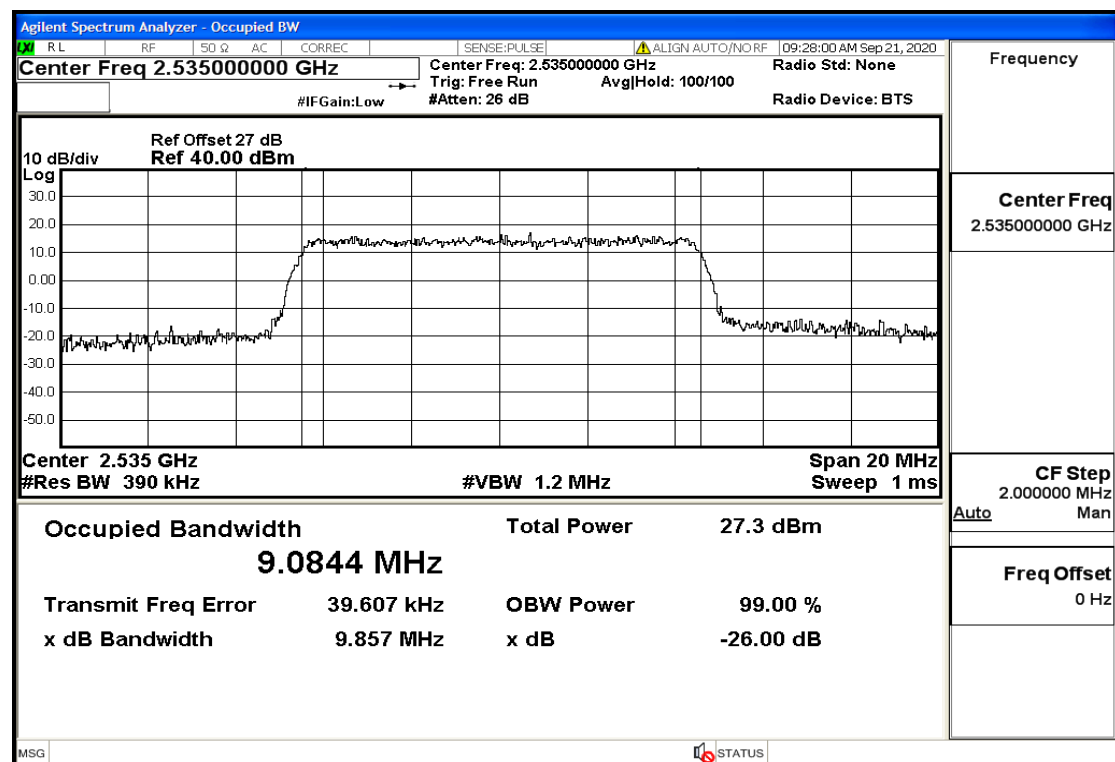
Band7-10-2505-16QAM-50#LOW@26dB and 99PCT Bandwidth



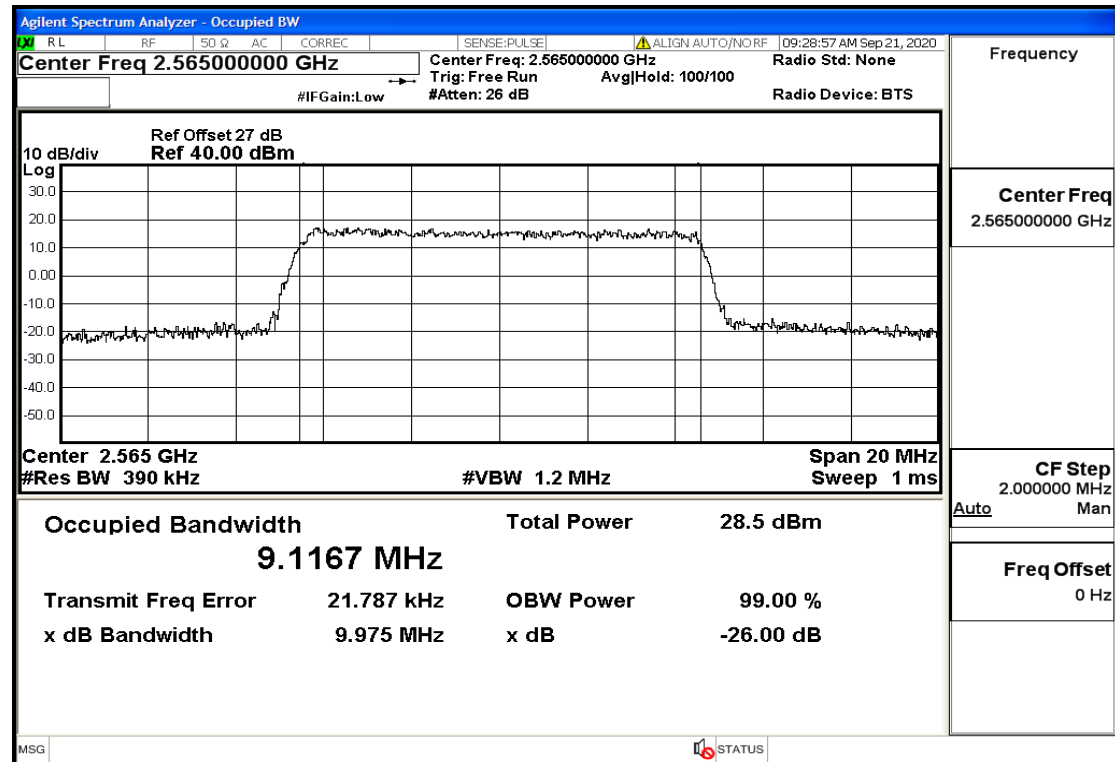
Band7-10-2535-QPSK-50#LOW@26dB and 99PCT Bandwidth



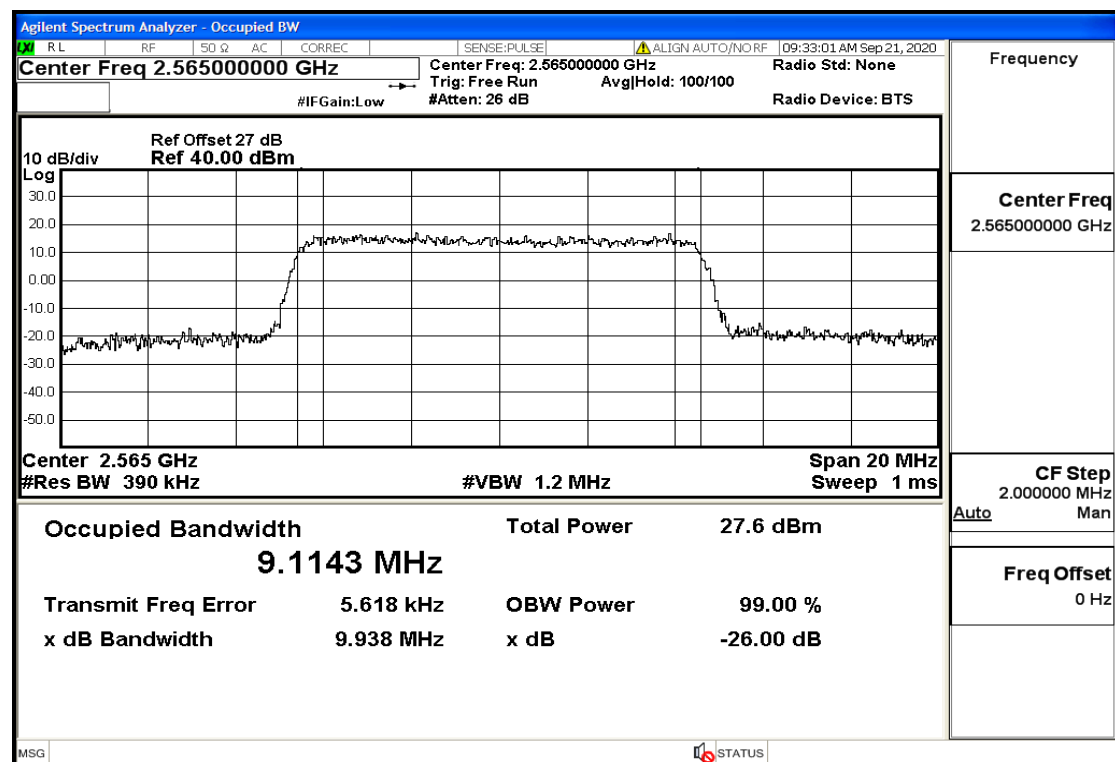
Band7-10-2535-16QAM-50#LOW@26dB and 99PCT Bandwidth



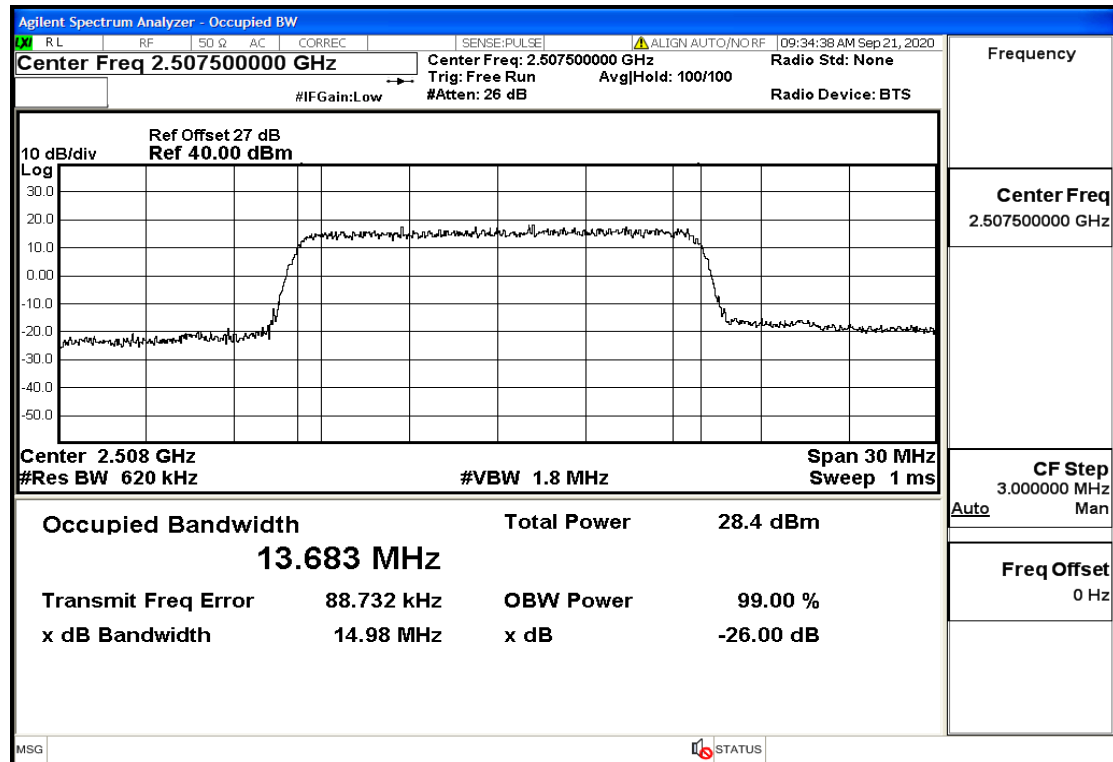
Band7-10-2565-QPSK-50#LOW@26dB and 99PCT Bandwidth



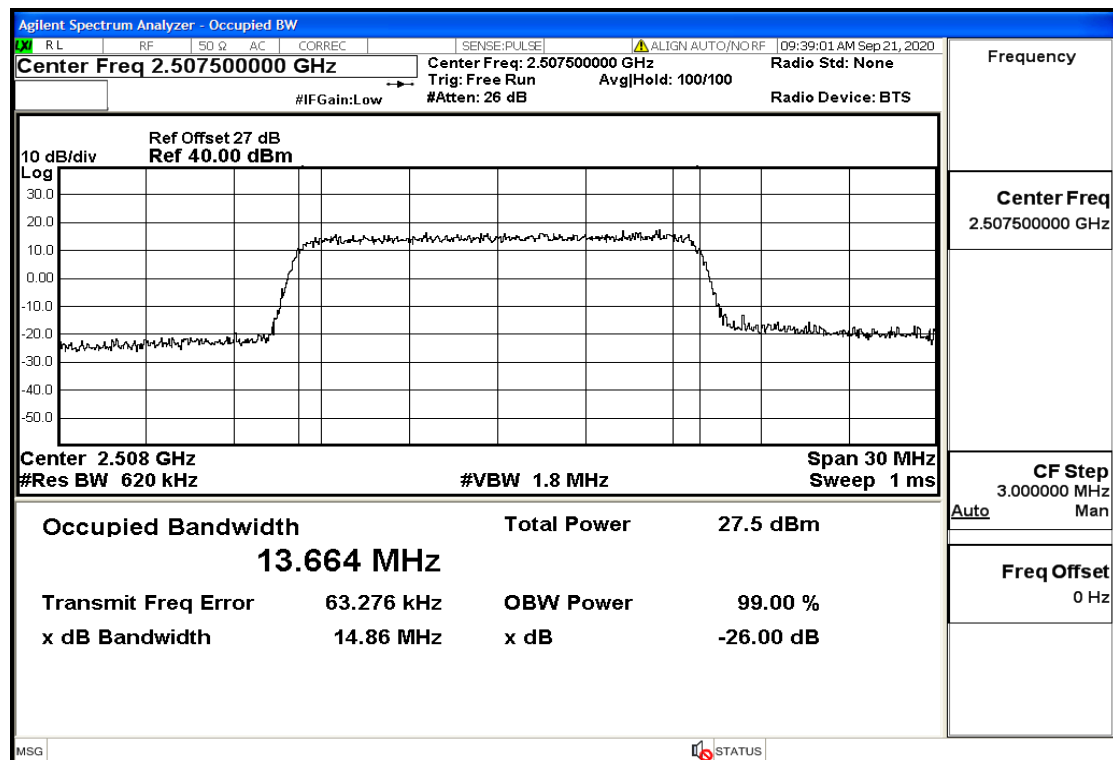
Band7-10-2565-16QAM-50#LOW@26dB and 99PCT Bandwidth



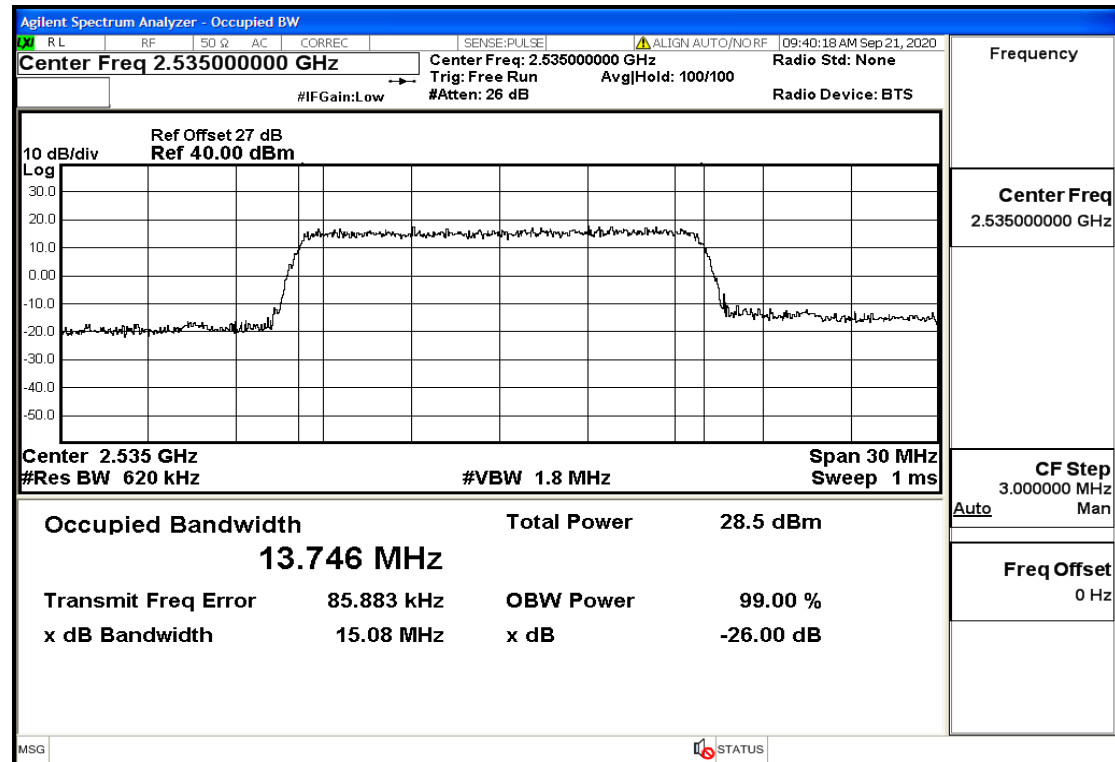
Band7-15-2507.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



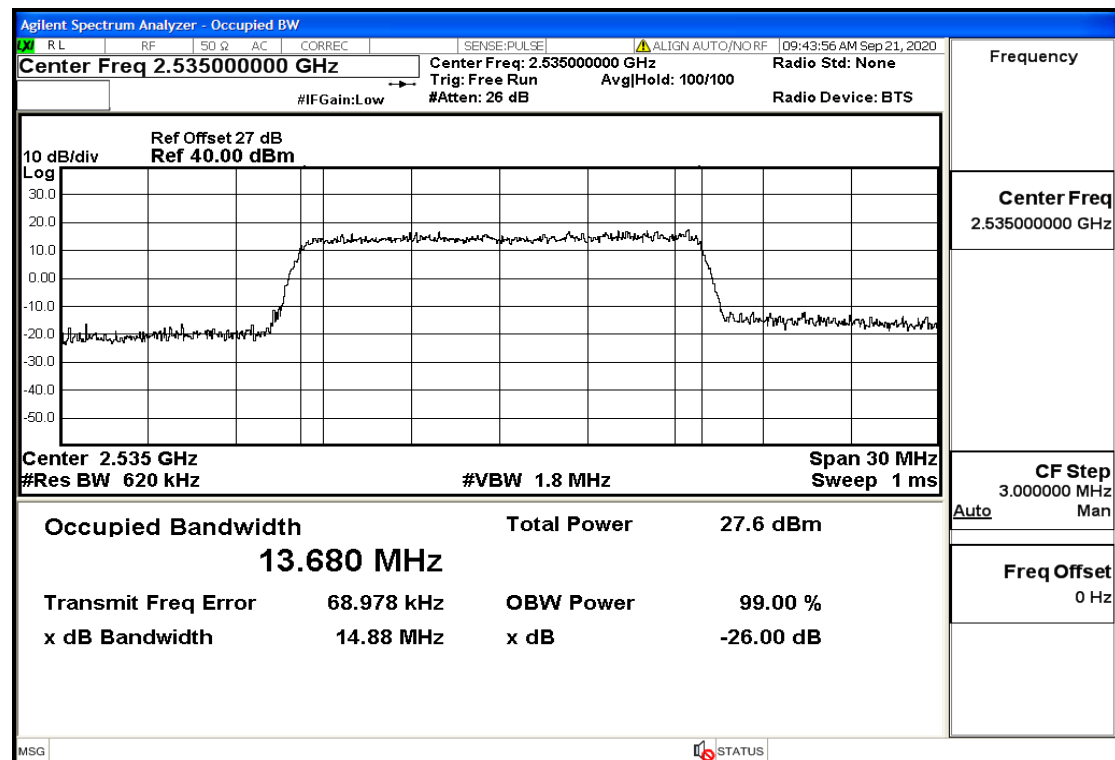
Band7-15-2507.5-16QAM-75#LOW@26dB and 99PCT Bandwidth



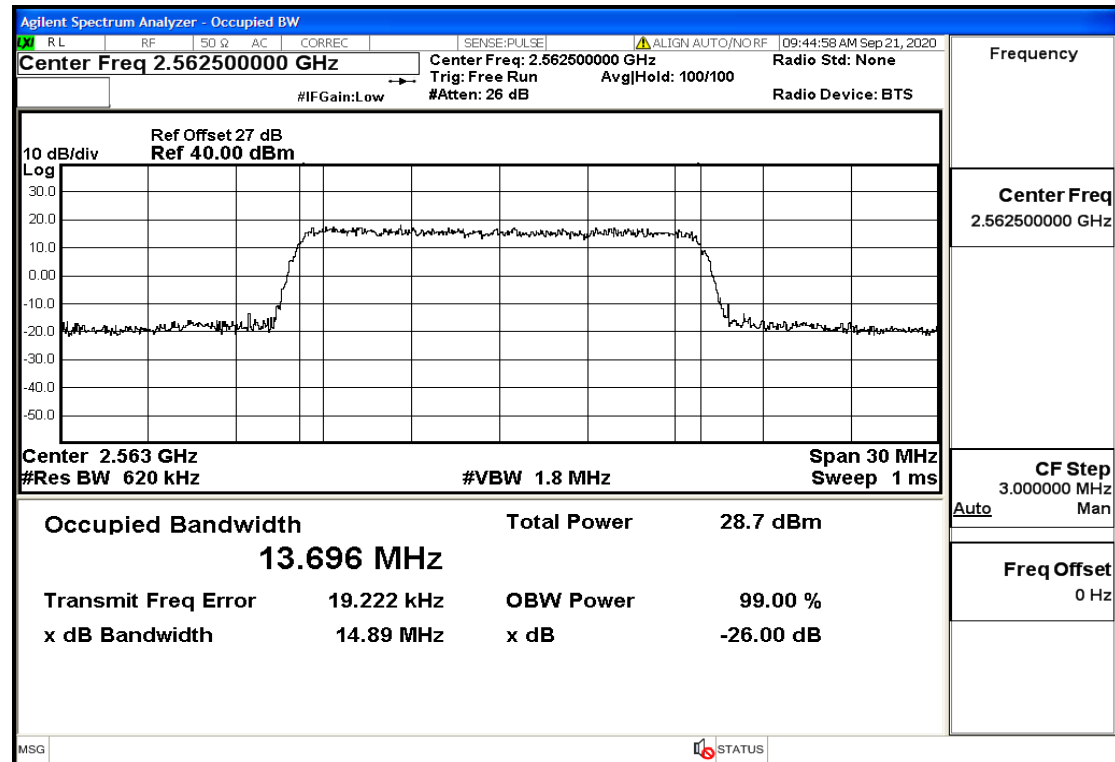
Band7-15-2535-QPSK-75#LOW@26dB and 99PCT Bandwidth



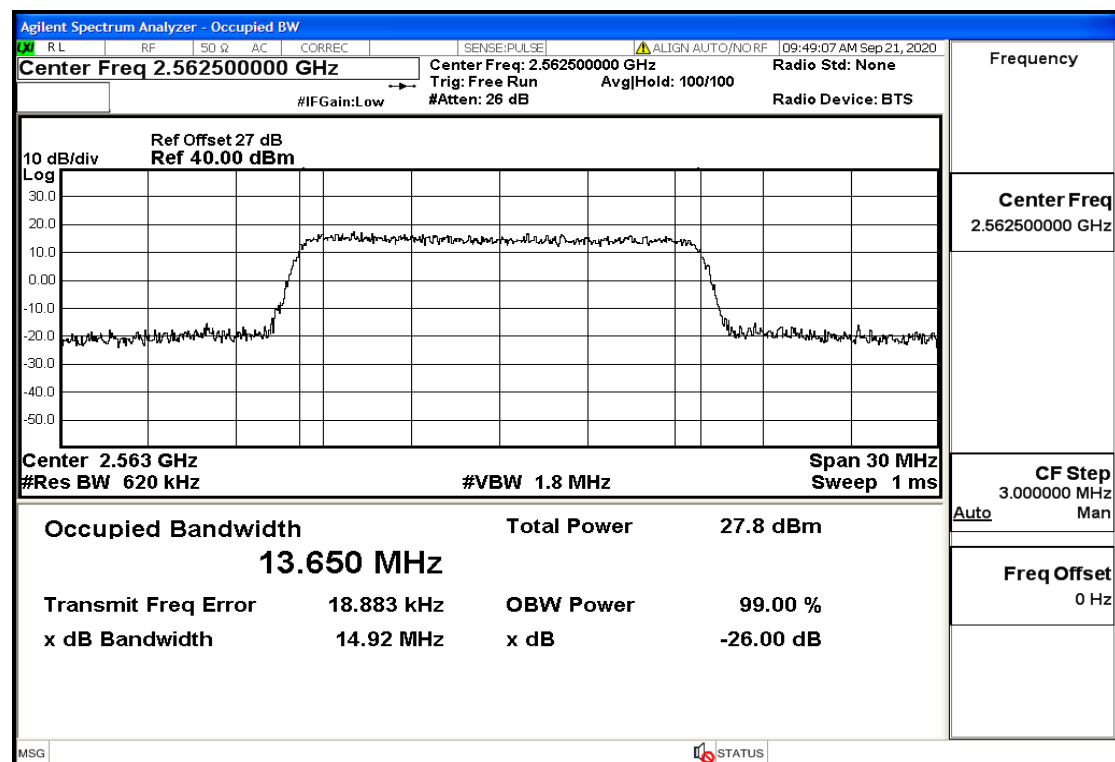
Band7-15-2535-16QAM-75#LOW@26dB and 99PCT Bandwidth



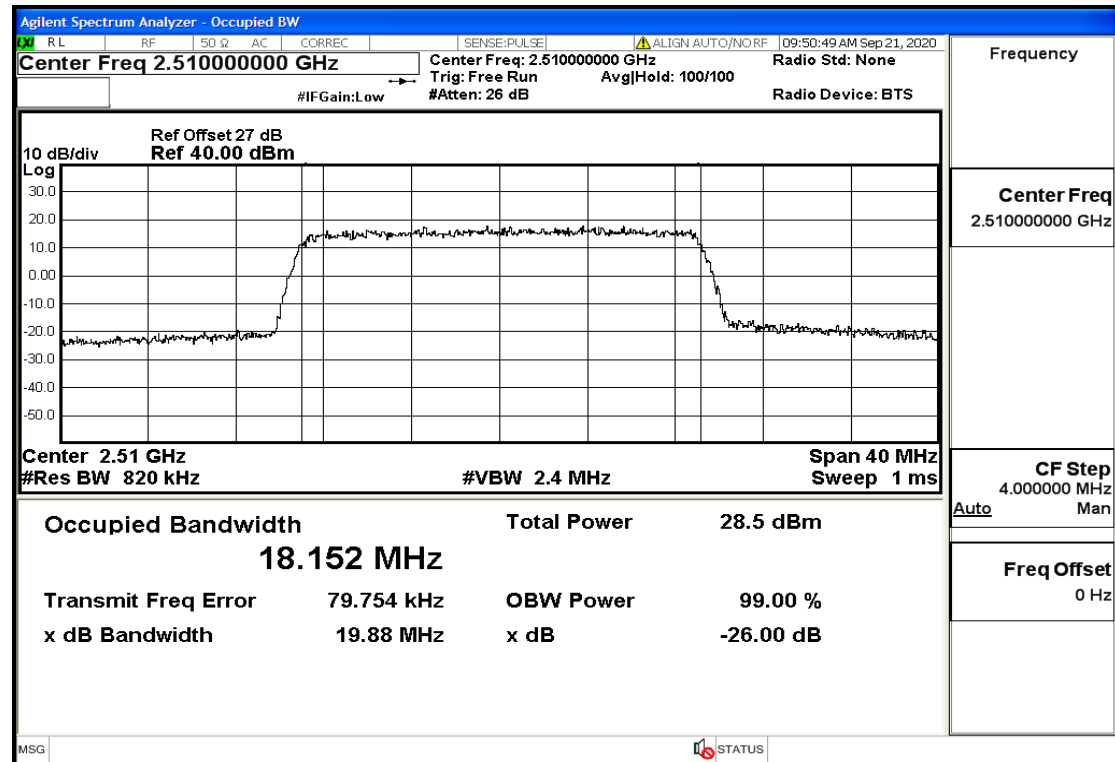
Band7-15-2562.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



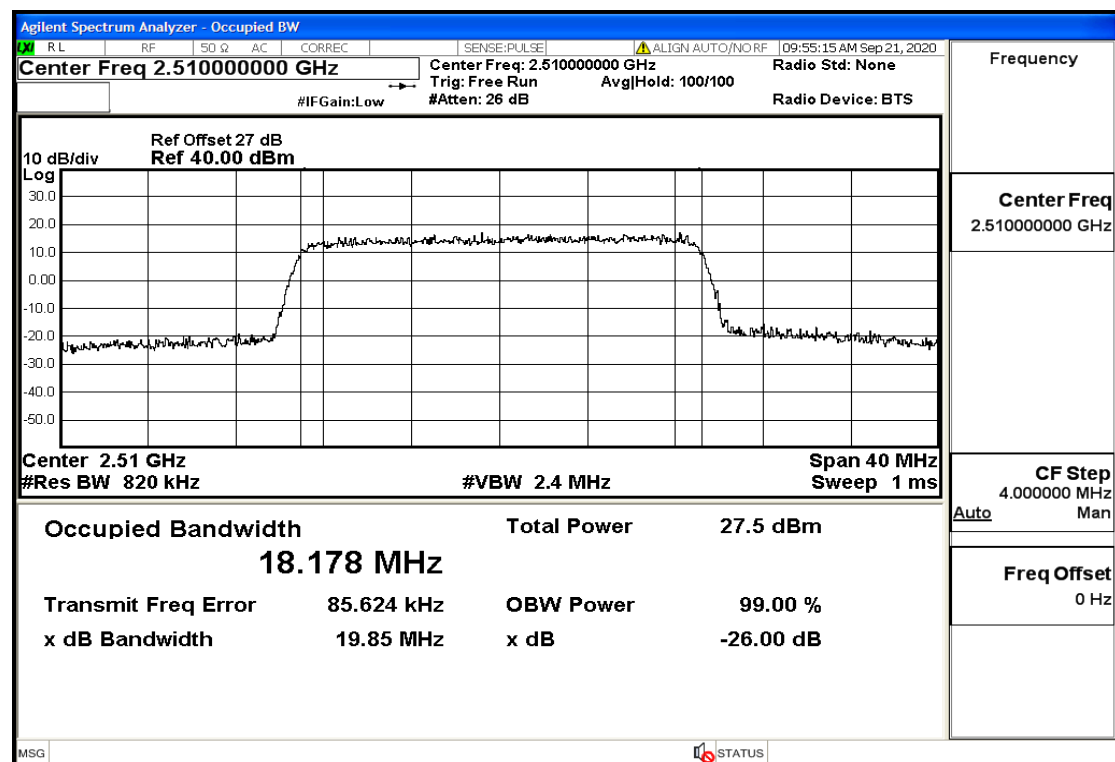
Band7-15-2562.5-16QAM-75#LOW@26dB and 99PCT Bandwidth



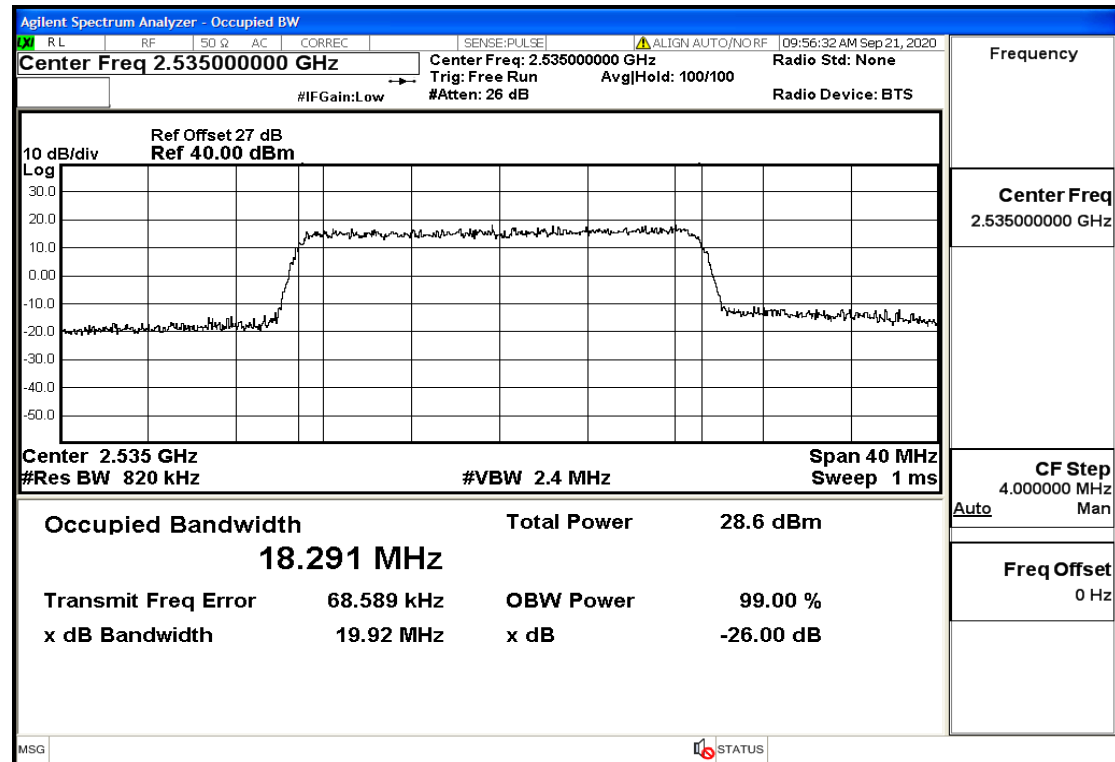
Band7-20-2510-QPSK-100#LOW@26dB and 99PCT Bandwidth



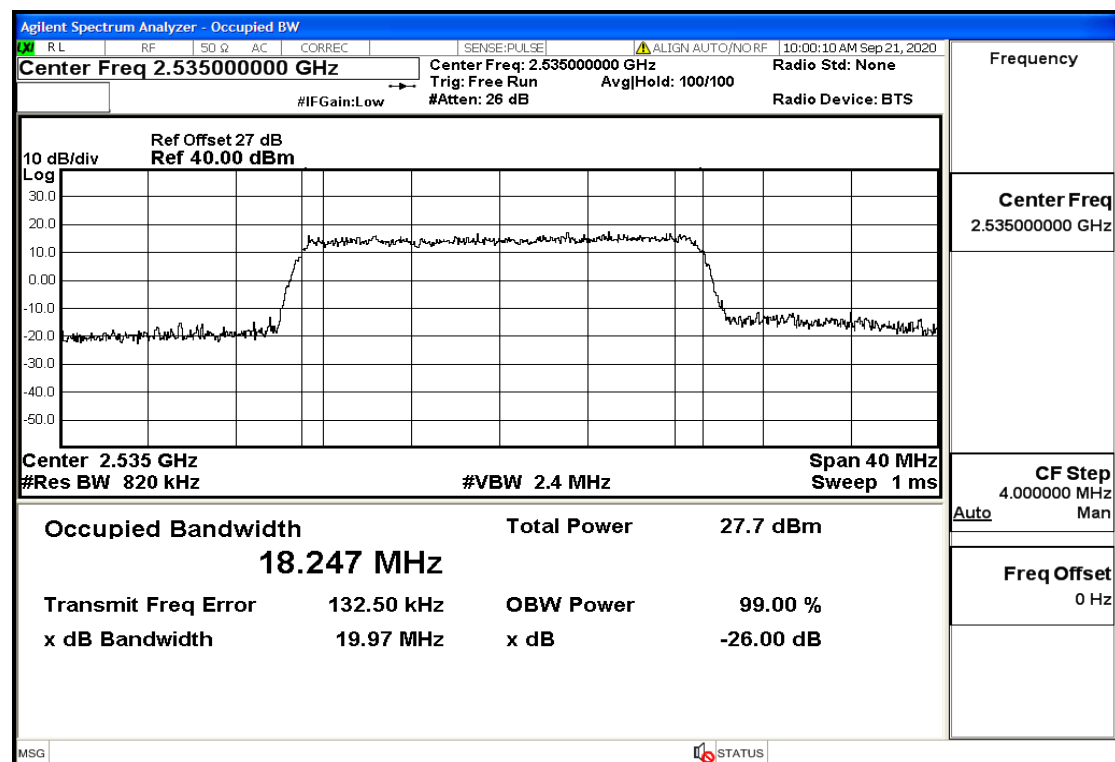
Band7-20-2510-16QAM-100#LOW@26dB and 99PCT Bandwidth



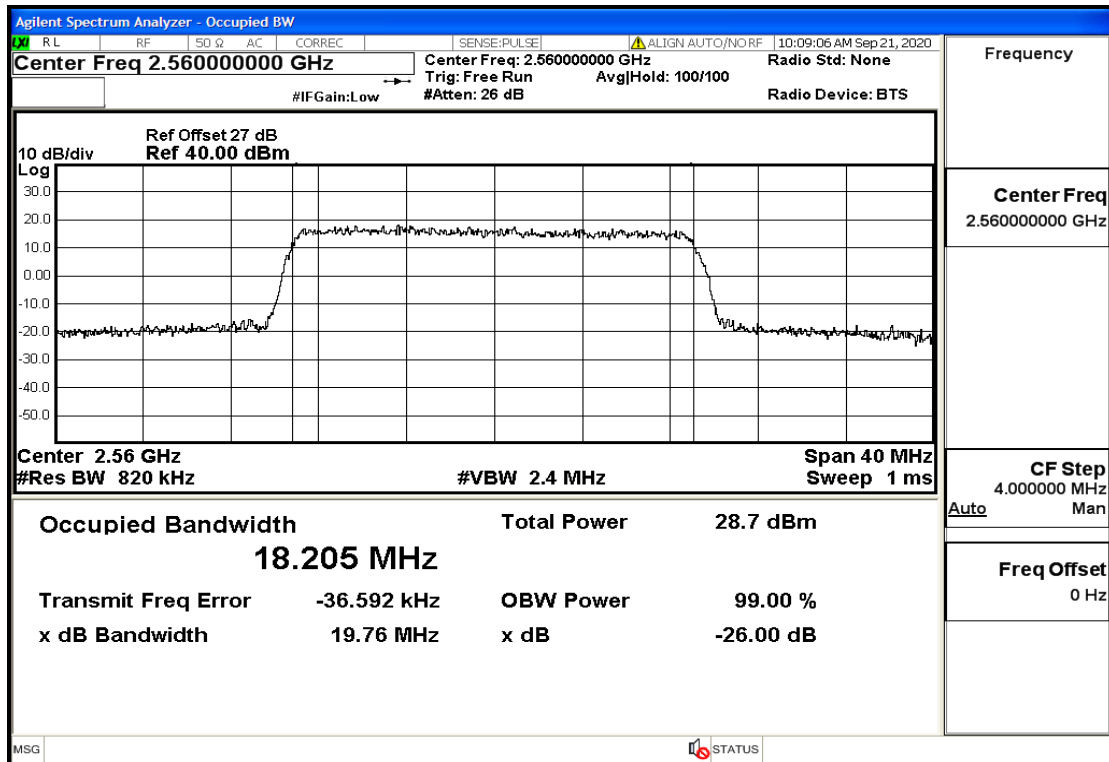
Band7-20-2535-QPSK-100#LOW@26dB and 99PCT Bandwidth



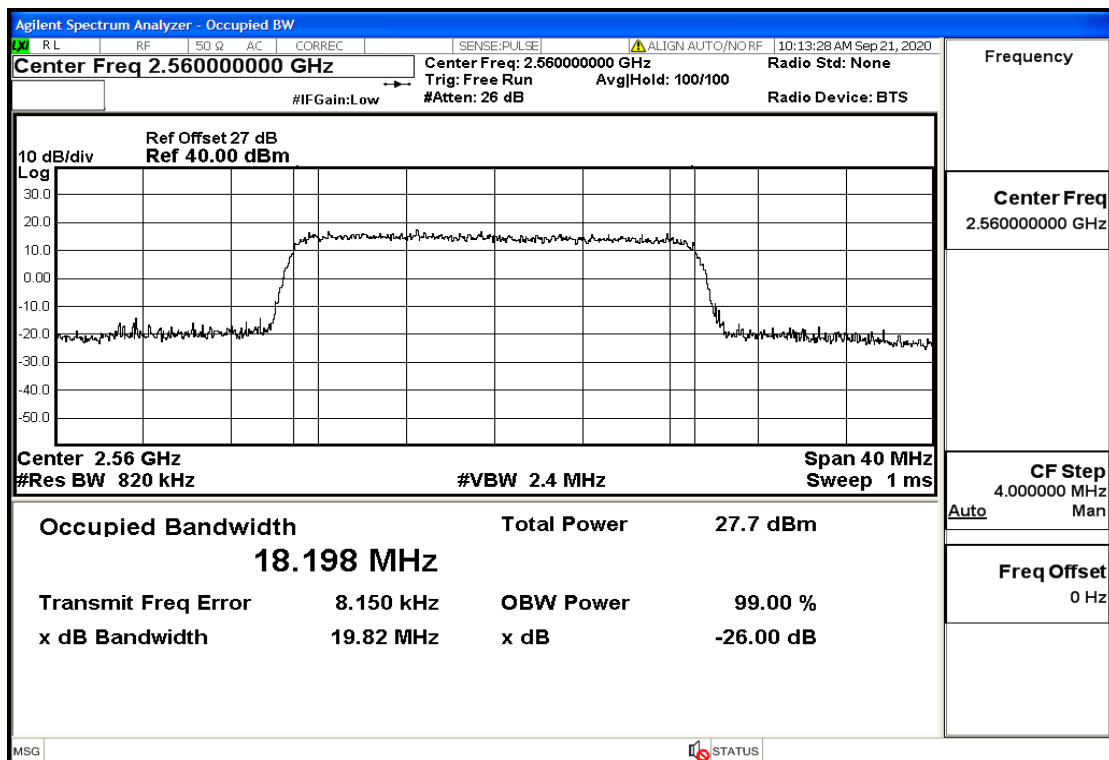
Band7-20-2535-16QAM-100#LOW@26dB and 99PCT Bandwidth



Band7-20-2560-QPSK-100#LOW@26dB and 99PCT Bandwidth



"Band7-20-2560-16QAM-100#LOW@26dB and 99PCT Bandwidth



Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0064	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0074	
-20	Normal Voltage	0.0069	
-30	Normal Voltage	0.0070	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0064	

Peak and Average Power

Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Average Power	Peak Power	Peak to Average(dB)	limit(dB)	Conclusion
Band7	5	2502.5	QPSK	25	LOW	23.65	29.67	6.02	13	Pass
Band7	5	2502.5	QPSK	12	LOW	22.19	27.44	5.25	13	Pass
Band7	5	2502.5	QPSK	12	MID	22.18	27.4	5.22	13	Pass
Band7	5	2502.5	QPSK	12	HIGH	22.24	27.64	5.4	13	Pass
Band7	5	2502.5	QPSK	1	LOW	23.06	27.3	4.24	13	Pass
Band7	5	2502.5	QPSK	1	MID	23.22	27.52	4.3	13	Pass
Band7	5	2502.5	QPSK	1	HIGH	23.04	27.61	4.57	13	Pass
Band7	5	2502.5	16QAM	25	LOW	21.24	27.88	6.64	13	Pass
Band7	5	2502.5	16QAM	12	LOW	21.19	27.59	6.4	13	Pass
Band7	5	2502.5	16QAM	12	MID	21.11	27.53	6.42	13	Pass
Band7	5	2502.5	16QAM	12	HIGH	21.24	27.83	6.59	13	Pass
Band7	5	2502.5	16QAM	1	LOW	22.14	26.83	4.69	13	Pass
Band7	5	2502.5	16QAM	1	MID	22.28	27.06	4.78	13	Pass
Band7	5	2502.5	16QAM	1	HIGH	22.17	27.15	4.98	13	Pass
Band7	5	2535	QPSK	25	LOW	22.22	28.15	5.93	13	Pass
Band7	5	2535	QPSK	12	LOW	22.22	27.81	5.59	13	Pass
Band7	5	2535	QPSK	12	MID	22.23	27.8	5.57	13	Pass
Band7	5	2535	QPSK	12	HIGH	22.31	27.89	5.58	13	Pass
Band7	5	2535	QPSK	1	LOW	23.18	26.75	3.57	13	Pass
Band7	5	2535	QPSK	1	MID	22.81	26.65	3.84	13	Pass
Band7	5	2535	QPSK	1	HIGH	22.74	26.74	4	13	Pass
Band7	5	2535	16QAM	25	LOW	20.81	27.97	7.16	13	Pass
Band7	5	2535	16QAM	12	LOW	20.76	27.2	6.44	13	Pass
Band7	5	2535	16QAM	12	MID	21.27	27.5	6.23	13	Pass
Band7	5	2535	16QAM	12	HIGH	20.8	27.31	6.51	13	Pass
Band7	5	2535	16QAM	1	LOW	22.05	26.96	4.91	13	Pass
Band7	5	2535	16QAM	1	MID	22.15	26.98	4.83	13	Pass
Band7	5	2535	16QAM	1	HIGH	22.04	27.02	4.98	13	Pass
Band7	5	2567.5	QPSK	25	LOW	21.9	27.62	5.72	13	Pass
Band7	5	2567.5	QPSK	12	LOW	22	27.37	5.37	13	Pass
Band7	5	2567.5	QPSK	12	MID	21.95	27.38	5.43	13	Pass
Band7	5	2567.5	QPSK	12	HIGH	21.95	27.33	5.38	13	Pass
Band7	5	2567.5	QPSK	1	LOW	22.85	26.99	4.14	13	Pass
Band7	5	2567.5	QPSK	1	MID	22.97	26.99	4.02	13	Pass
Band7	5	2567.5	QPSK	1	HIGH	22.8	26.87	4.07	13	Pass
Band7	5	2567.5	16QAM	25	LOW	20.98	28.15	7.17	13	Pass
Band7	5	2567.5	16QAM	12	LOW	20.95	27.36	6.41	13	Pass
Band7	5	2567.5	16QAM	12	MID	20.9	27.35	6.45	13	Pass
Band7	5	2567.5	16QAM	12	HIGH	21	27.32	6.32	13	Pass
Band7	5	2567.5	16QAM	1	LOW	21.94	26.93	4.99	13	Pass

Band7	5	2567.5	16QAM	1	MID	22.07	26.88	4.81	13	Pass
Band7	5	2567.5	16QAM	1	HIGH	21.94	26.75	4.81	13	Pass
Band7	10	2505	QPSK	50	LOW	22.25	27.91	5.66	13	Pass
Band7	10	2505	QPSK	25	LOW	21.69	27.74	6.05	13	Pass
Band7	10	2505	QPSK	25	MID	21.74	27.76	6.02	13	Pass
Band7	10	2505	QPSK	25	HIGH	21.78	27.98	6.2	13	Pass
Band7	10	2505	QPSK	1	LOW	22.76	26.66	3.9	13	Pass
Band7	10	2505	QPSK	1	MID	22.93	27.05	4.12	13	Pass
Band7	10	2505	QPSK	1	HIGH	22.68	27.2	4.52	13	Pass
Band7	10	2505	16QAM	50	LOW	20.78	28.1	7.32	13	Pass
Band7	10	2505	16QAM	25	LOW	20.8	27.56	6.76	13	Pass
Band7	10	2505	16QAM	25	MID	20.82	27.6	6.78	13	Pass
Band7	10	2505	16QAM	25	HIGH	20.93	27.99	7.06	13	Pass
Band7	10	2505	16QAM	1	LOW	22.02	26.55	4.53	13	Pass
Band7	10	2505	16QAM	1	MID	22.27	26.94	4.67	13	Pass
Band7	10	2505	16QAM	1	HIGH	22.01	26.99	4.98	13	Pass
Band7	10	2535	QPSK	50	LOW	21.82	27.9	6.08	13	Pass
Band7	10	2535	QPSK	25	LOW	21.74	27.4	5.66	13	Pass
Band7	10	2535	QPSK	25	MID	21.79	27.45	5.66	13	Pass
Band7	10	2535	QPSK	25	HIGH	21.94	27.65	5.71	13	Pass
Band7	10	2535	QPSK	1	LOW	22.74	26.52	3.78	13	Pass
Band7	10	2535	QPSK	1	MID	23.03	26.53	3.5	13	Pass
Band7	10	2535	QPSK	1	HIGH	22.78	26.81	4.03	13	Pass
Band7	10	2535	16QAM	50	LOW	20.88	28.09	7.21	13	Pass
Band7	10	2535	16QAM	25	LOW	20.91	27.34	6.43	13	Pass
Band7	10	2535	16QAM	25	MID	20.92	27.39	6.47	13	Pass
Band7	10	2535	16QAM	25	HIGH	20.95	27.5	6.55	13	Pass
Band7	10	2535	16QAM	1	LOW	22.34	26.99	4.65	13	Pass
Band7	10	2535	16QAM	1	MID	22.6	27.12	4.52	13	Pass
Band7	10	2535	16QAM	1	HIGH	22.36	27.23	4.87	13	Pass
Band7	10	2565	QPSK	50	LOW	22	27.89	5.89	13	Pass
Band7	10	2565	QPSK	25	LOW	22.23	27.82	5.59	13	Pass
Band7	10	2565	QPSK	25	MID	22.19	27.81	5.62	13	Pass
Band7	10	2565	QPSK	25	HIGH	22.02	27.55	5.53	13	Pass
Band7	10	2565	QPSK	1	LOW	23.09	27.24	4.15	13	Pass
Band7	10	2565	QPSK	1	MID	23.31	27.1	3.79	13	Pass
Band7	10	2565	QPSK	1	HIGH	23	26.88	3.88	13	Pass
Band7	10	2565	16QAM	50	LOW	21.09	27.65	6.56	13	Pass
Band7	10	2565	16QAM	25	LOW	21.16	27.79	6.63	13	Pass
Band7	10	2565	16QAM	25	MID	21.17	27.8	6.63	13	Pass
Band7	10	2565	16QAM	25	HIGH	21.1	27.67	6.57	13	Pass
Band7	10	2565	16QAM	1	LOW	22.11	26.59	4.48	13	Pass
Band7	10	2565	16QAM	1	MID	22.35	26.67	4.32	13	Pass
Band7	10	2565	16QAM	1	HIGH	22.16	26.5	4.34	13	Pass
Band7	15	2507.5	QPSK	75	LOW	22.24	28.68	6.44	13	Pass

Band7	15	2507.5	QPSK	38	LOW	21.7	28.27	6.57	13	Pass
Band7	15	2507.5	QPSK	38	MID	21.69	28.28	6.59	13	Pass
Band7	15	2507.5	QPSK	38	HIGH	21.69	28.32	6.63	13	Pass
Band7	15	2507.5	QPSK	1	LOW	22.82	26.99	4.17	13	Pass
Band7	15	2507.5	QPSK	1	MID	22.77	27.34	4.57	13	Pass
Band7	15	2507.5	QPSK	1	HIGH	22.59	27.3	4.71	13	Pass
Band7	15	2507.5	16QAM	75	LOW	20.75	27.95	7.2	13	Pass
Band7	15	2507.5	16QAM	38	LOW	20.75	27.89	7.14	13	Pass
Band7	15	2507.5	16QAM	38	MID	20.82	28.03	7.21	13	Pass
Band7	15	2507.5	16QAM	38	HIGH	20.82	27.98	7.16	13	Pass
Band7	15	2507.5	16QAM	1	LOW	21.87	26.37	4.5	13	Pass
Band7	15	2507.5	16QAM	1	MID	22.01	26.61	4.6	13	Pass
Band7	15	2507.5	16QAM	1	HIGH	21.92	26.63	4.71	13	Pass
Band7	15	2535	QPSK	75	LOW	21.95	28.44	6.49	13	Pass
Band7	15	2535	QPSK	38	LOW	21.89	28.35	6.46	13	Pass
Band7	15	2535	QPSK	38	MID	21.88	28.12	6.24	13	Pass
Band7	15	2535	QPSK	38	HIGH	21.89	28.38	6.49	13	Pass
Band7	15	2535	QPSK	1	LOW	22.68	26.52	3.84	13	Pass
Band7	15	2535	QPSK	1	MID	22.88	26.59	3.71	13	Pass
Band7	15	2535	QPSK	1	HIGH	22.88	26.89	4.01	13	Pass
Band7	15	2535	16QAM	75	LOW	20.94	27.99	7.05	13	Pass
Band7	15	2535	16QAM	38	LOW	20.88	27.88	7	13	Pass
Band7	15	2535	16QAM	38	MID	20.96	28.14	7.18	13	Pass
Band7	15	2535	16QAM	38	HIGH	20.95	27.98	7.03	13	Pass
Band7	15	2535	16QAM	1	LOW	22.33	26.84	4.51	13	Pass
Band7	15	2535	16QAM	1	MID	22.39	26.86	4.47	13	Pass
Band7	15	2535	16QAM	1	HIGH	22.37	27.03	4.66	13	Pass
Band7	15	2562.5	QPSK	75	LOW	22.1	28.61	6.51	13	Pass
Band7	15	2562.5	QPSK	38	LOW	22.11	28.64	6.53	13	Pass
Band7	15	2562.5	QPSK	38	MID	22.11	28.69	6.58	13	Pass
Band7	15	2562.5	QPSK	38	HIGH	22.12	28.68	6.56	13	Pass
Band7	15	2562.5	QPSK	1	LOW	23.01	27.22	4.21	13	Pass
Band7	15	2562.5	QPSK	1	MID	23.09	26.98	3.89	13	Pass
Band7	15	2562.5	QPSK	1	HIGH	22.9	26.69	3.79	13	Pass
Band7	15	2562.5	16QAM	75	LOW	21.18	27.9	6.72	13	Pass
Band7	15	2562.5	16QAM	38	LOW	21.1	28.16	7.06	13	Pass
Band7	15	2562.5	16QAM	38	MID	21.1	28.15	7.05	13	Pass
Band7	15	2562.5	16QAM	38	HIGH	21.04	28.03	6.99	13	Pass
Band7	15	2562.5	16QAM	1	LOW	22.54	27.58	5.04	13	Pass
Band7	15	2562.5	16QAM	1	MID	22.63	27.34	4.71	13	Pass
Band7	15	2562.5	16QAM	1	HIGH	22.47	27.06	4.59	13	Pass
Band7	20	2510	QPSK	100	LOW	21.7	28.16	6.46	13	Pass
Band7	20	2510	QPSK	50	LOW	21.63	27.61	5.98	13	Pass
Band7	20	2510	QPSK	50	MID	21.61	27.65	6.04	13	Pass
Band7	20	2510	QPSK	50	HIGH	21.62	27.75	6.13	13	Pass

Band7	20	2510	QPSK	1	LOW	22.72	26.72	4	13	Pass
Band7	20	2510	QPSK	1	MID	23.12	27.21	4.09	13	Pass
Band7	20	2510	QPSK	1	HIGH	22.58	26.83	4.25	13	Pass
Band7	20	2510	16QAM	100	LOW	20.64	27.97	7.33	13	Pass
Band7	20	2510	16QAM	50	LOW	20.72	27.85	7.13	13	Pass
Band7	20	2510	16QAM	50	MID	20.69	27.79	7.1	13	Pass
Band7	20	2510	16QAM	50	HIGH	20.8	27.85	7.05	13	Pass
Band7	20	2510	16QAM	1	LOW	21.87	26.7	4.83	13	Pass
Band7	20	2510	16QAM	1	MID	22.41	27.26	4.85	13	Pass
Band7	20	2510	16QAM	1	HIGH	21.83	27.03	5.2	13	Pass
Band7	20	2535	QPSK	100	LOW	21.88	28.24	6.36	13	Pass
Band7	20	2535	QPSK	50	LOW	21.74	27.28	5.54	13	Pass
Band7	20	2535	QPSK	50	MID	21.71	27.31	5.6	13	Pass
Band7	20	2535	QPSK	50	HIGH	22.01	27.78	5.77	13	Pass
Band7	20	2535	QPSK	1	LOW	22.47	26.57	4.1	13	Pass
Band7	20	2535	QPSK	1	MID	22.96	26.53	3.57	13	Pass
Band7	20	2535	QPSK	1	HIGH	22.69	27.21	4.52	13	Pass
Band7	20	2535	16QAM	100	LOW	20.97	27.91	6.94	13	Pass
Band7	20	2535	16QAM	50	LOW	20.8	27.4	6.6	13	Pass
Band7	20	2535	16QAM	50	MID	20.8	27.47	6.67	13	Pass
Band7	20	2535	16QAM	50	HIGH	20.99	27.84	6.85	13	Pass
Band7	20	2535	16QAM	1	LOW	22.09	26.77	4.68	13	Pass
Band7	20	2535	16QAM	1	MID	22.66	26.92	4.26	13	Pass
Band7	20	2535	16QAM	1	HIGH	22.14	27.11	4.97	13	Pass
Band7	20	2560	QPSK	100	LOW	21.98	28.01	6.03	13	Pass
Band7	20	2560	QPSK	50	LOW	22.14	28.04	5.9	13	Pass
Band7	20	2560	QPSK	50	MID	22.14	28.05	5.91	13	Pass
Band7	20	2560	QPSK	50	HIGH	21.86	27.6	5.74	13	Pass
Band7	20	2560	QPSK	1	LOW	22.84	27.52	4.68	13	Pass
Band7	20	2560	QPSK	1	MID	23.3	27.35	4.05	13	Pass
Band7	20	2560	QPSK	1	HIGH	22.72	26.64	3.92	13	Pass
Band7	20	2560	16QAM	100	LOW	21.09	28.12	7.03	13	Pass
Band7	20	2560	16QAM	50	LOW	21.05	28.26	7.21	13	Pass
Band7	20	2560	16QAM	50	MID	21.02	28.24	7.22	13	Pass
Band7	20	2560	16QAM	50	HIGH	20.85	27.89	7.04	13	Pass
Band7	20	2560	16QAM	1	LOW	22.02	27.45	5.43	13	Pass
Band7	20	2560	16QAM	1	MID	22.52	27.43	4.91	13	Pass
Band7	20	2560	16QAM	1	HIGH	22.07	26.96	4.89	13	Pass

EIRP/ERP

Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Average Power	Peak Power	ERP/EIRP Power(dBm)	limit(dB)	Conclusion
Band7	5	2502.5	QPSK	25	LOW	23.65	0.73	24.38	33	Pass
Band7	5	2502.5	QPSK	12	LOW	22.19	0.73	22.92	33	Pass
Band7	5	2502.5	QPSK	12	MID	22.18	0.73	22.91	33	Pass
Band7	5	2502.5	QPSK	12	HIGH	22.24	0.73	22.97	33	Pass
Band7	5	2502.5	QPSK	1	LOW	23.06	0.73	23.79	33	Pass
Band7	5	2502.5	QPSK	1	MID	23.22	0.73	23.95	33	Pass
Band7	5	2502.5	QPSK	1	HIGH	23.04	0.73	23.77	33	Pass
Band7	5	2502.5	16QAM	25	LOW	21.24	0.73	21.97	33	Pass
Band7	5	2502.5	16QAM	12	LOW	21.19	0.73	21.92	33	Pass
Band7	5	2502.5	16QAM	12	MID	21.11	0.73	21.84	33	Pass
Band7	5	2502.5	16QAM	12	HIGH	21.24	0.73	21.97	33	Pass
Band7	5	2502.5	16QAM	1	LOW	22.14	0.73	22.87	33	Pass
Band7	5	2502.5	16QAM	1	MID	22.28	0.73	23.01	33	Pass
Band7	5	2502.5	16QAM	1	HIGH	22.17	0.73	22.9	33	Pass
Band7	5	2535	QPSK	25	LOW	22.22	0.73	22.95	33	Pass
Band7	5	2535	QPSK	12	LOW	22.22	0.73	22.95	33	Pass
Band7	5	2535	QPSK	12	MID	22.23	0.73	22.96	33	Pass
Band7	5	2535	QPSK	12	HIGH	22.31	0.73	23.04	33	Pass
Band7	5	2535	QPSK	1	LOW	23.18	0.73	23.91	33	Pass
Band7	5	2535	QPSK	1	MID	22.81	0.73	23.54	33	Pass
Band7	5	2535	QPSK	1	HIGH	22.74	0.73	23.47	33	Pass
Band7	5	2535	16QAM	25	LOW	20.81	0.73	21.54	33	Pass
Band7	5	2535	16QAM	12	LOW	20.76	0.73	21.49	33	Pass
Band7	5	2535	16QAM	12	MID	21.27	0.73	22	33	Pass
Band7	5	2535	16QAM	12	HIGH	20.8	0.73	21.53	33	Pass
Band7	5	2535	16QAM	1	LOW	22.05	0.73	22.78	33	Pass
Band7	5	2535	16QAM	1	MID	22.15	0.73	22.88	33	Pass
Band7	5	2535	16QAM	1	HIGH	22.04	0.73	22.77	33	Pass
Band7	5	2567.5	QPSK	25	LOW	21.9	0.73	22.63	33	Pass
Band7	5	2567.5	QPSK	12	LOW	22	0.73	22.73	33	Pass
Band7	5	2567.5	QPSK	12	MID	21.95	0.73	22.68	33	Pass
Band7	5	2567.5	QPSK	12	HIGH	21.95	0.73	22.68	33	Pass
Band7	5	2567.5	QPSK	1	LOW	22.85	0.73	23.58	33	Pass
Band7	5	2567.5	QPSK	1	MID	22.97	0.73	23.7	33	Pass
Band7	5	2567.5	QPSK	1	HIGH	22.8	0.73	23.53	33	Pass
Band7	5	2567.5	16QAM	25	LOW	20.98	0.73	21.71	33	Pass
Band7	5	2567.5	16QAM	12	LOW	20.95	0.73	21.68	33	Pass
Band7	5	2567.5	16QAM	12	MID	20.9	0.73	21.63	33	Pass
Band7	5	2567.5	16QAM	12	HIGH	21	0.73	21.73	33	Pass
Band7	5	2567.5	16QAM	1	LOW	21.94	0.73	22.67	33	Pass
Band7	5	2567.5	16QAM	1	MID	22.07	0.73	22.8	33	Pass
Band7	5	2567.5	16QAM	1	HIGH	21.94	0.73	22.67	33	Pass

Band7	10	2505	QPSK	50	LOW	22.25	0.73	22.98	33	Pass
Band7	10	2505	QPSK	25	LOW	21.69	0.73	22.42	33	Pass
Band7	10	2505	QPSK	25	MID	21.74	0.73	22.47	33	Pass
Band7	10	2505	QPSK	25	HIGH	21.78	0.73	22.51	33	Pass
Band7	10	2505	QPSK	1	LOW	22.76	0.73	23.49	33	Pass
Band7	10	2505	QPSK	1	MID	22.93	0.73	23.66	33	Pass
Band7	10	2505	QPSK	1	HIGH	22.68	0.73	23.41	33	Pass
Band7	10	2505	16QAM	50	LOW	20.78	0.73	21.51	33	Pass
Band7	10	2505	16QAM	25	LOW	20.8	0.73	21.53	33	Pass
Band7	10	2505	16QAM	25	MID	20.82	0.73	21.55	33	Pass
Band7	10	2505	16QAM	25	HIGH	20.93	0.73	21.66	33	Pass
Band7	10	2505	16QAM	1	LOW	22.02	0.73	22.75	33	Pass
Band7	10	2505	16QAM	1	MID	22.27	0.73	23	33	Pass
Band7	10	2505	16QAM	1	HIGH	22.01	0.73	22.74	33	Pass
Band7	10	2535	QPSK	50	LOW	21.82	0.73	22.55	33	Pass
Band7	10	2535	QPSK	25	LOW	21.74	0.73	22.47	33	Pass
Band7	10	2535	QPSK	25	MID	21.79	0.73	22.52	33	Pass
Band7	10	2535	QPSK	25	HIGH	21.94	0.73	22.67	33	Pass
Band7	10	2535	QPSK	1	LOW	22.74	0.73	23.47	33	Pass
Band7	10	2535	QPSK	1	MID	23.03	0.73	23.76	33	Pass
Band7	10	2535	QPSK	1	HIGH	22.78	0.73	23.51	33	Pass
Band7	10	2535	16QAM	50	LOW	20.88	0.73	21.61	33	Pass
Band7	10	2535	16QAM	25	LOW	20.91	0.73	21.64	33	Pass
Band7	10	2535	16QAM	25	MID	20.92	0.73	21.65	33	Pass
Band7	10	2535	16QAM	25	HIGH	20.95	0.73	21.68	33	Pass
Band7	10	2535	16QAM	1	LOW	22.34	0.73	23.07	33	Pass
Band7	10	2535	16QAM	1	MID	22.6	0.73	23.33	33	Pass
Band7	10	2535	16QAM	1	HIGH	22.36	0.73	23.09	33	Pass
Band7	10	2565	QPSK	50	LOW	22	0.73	22.73	33	Pass
Band7	10	2565	QPSK	25	LOW	22.23	0.73	22.96	33	Pass
Band7	10	2565	QPSK	25	MID	22.19	0.73	22.92	33	Pass
Band7	10	2565	QPSK	25	HIGH	22.02	0.73	22.75	33	Pass
Band7	10	2565	QPSK	1	LOW	23.09	0.73	23.82	33	Pass
Band7	10	2565	QPSK	1	MID	23.31	0.73	24.04	33	Pass
Band7	10	2565	QPSK	1	HIGH	23	0.73	23.73	33	Pass
Band7	10	2565	16QAM	50	LOW	21.09	0.73	21.82	33	Pass
Band7	10	2565	16QAM	25	LOW	21.16	0.73	21.89	33	Pass
Band7	10	2565	16QAM	25	MID	21.17	0.73	21.9	33	Pass
Band7	10	2565	16QAM	25	HIGH	21.1	0.73	21.83	33	Pass
Band7	10	2565	16QAM	1	LOW	22.11	0.73	22.84	33	Pass
Band7	10	2565	16QAM	1	MID	22.35	0.73	23.08	33	Pass
Band7	10	2565	16QAM	1	HIGH	22.16	0.73	22.89	33	Pass
Band7	15	2507.5	QPSK	75	LOW	22.24	0.73	22.97	33	Pass
Band7	15	2507.5	QPSK	38	LOW	21.7	0.73	22.43	33	Pass
Band7	15	2507.5	QPSK	38	MID	21.69	0.73	22.42	33	Pass
Band7	15	2507.5	QPSK	38	HIGH	21.69	0.73	22.42	33	Pass
Band7	15	2507.5	QPSK	1	LOW	22.82	0.73	23.55	33	Pass

Band7	15	2507.5	QPSK	1	MID	22.77	0.73	23.5	33	Pass
Band7	15	2507.5	QPSK	1	HIGH	22.59	0.73	23.32	33	Pass
Band7	15	2507.5	16QAM	75	LOW	20.75	0.73	21.48	33	Pass
Band7	15	2507.5	16QAM	38	LOW	20.75	0.73	21.48	33	Pass
Band7	15	2507.5	16QAM	38	MID	20.82	0.73	21.55	33	Pass
Band7	15	2507.5	16QAM	38	HIGH	20.82	0.73	21.55	33	Pass
Band7	15	2507.5	16QAM	1	LOW	21.87	0.73	22.6	33	Pass
Band7	15	2507.5	16QAM	1	MID	22.01	0.73	22.74	33	Pass
Band7	15	2507.5	16QAM	1	HIGH	21.92	0.73	22.65	33	Pass
Band7	15	2535	QPSK	75	LOW	21.95	0.73	22.68	33	Pass
Band7	15	2535	QPSK	38	LOW	21.89	0.73	22.62	33	Pass
Band7	15	2535	QPSK	38	MID	21.88	0.73	22.61	33	Pass
Band7	15	2535	QPSK	38	HIGH	21.89	0.73	22.62	33	Pass
Band7	15	2535	QPSK	1	LOW	22.68	0.73	23.41	33	Pass
Band7	15	2535	QPSK	1	MID	22.88	0.73	23.61	33	Pass
Band7	15	2535	QPSK	1	HIGH	22.88	0.73	23.61	33	Pass
Band7	15	2535	16QAM	75	LOW	20.94	0.73	21.67	33	Pass
Band7	15	2535	16QAM	38	LOW	20.88	0.73	21.61	33	Pass
Band7	15	2535	16QAM	38	MID	20.96	0.73	21.69	33	Pass
Band7	15	2535	16QAM	38	HIGH	20.95	0.73	21.68	33	Pass
Band7	15	2535	16QAM	1	LOW	22.33	0.73	23.06	33	Pass
Band7	15	2535	16QAM	1	MID	22.39	0.73	23.12	33	Pass
Band7	15	2535	16QAM	1	HIGH	22.37	0.73	23.1	33	Pass
Band7	15	2562.5	QPSK	75	LOW	22.1	0.73	22.83	33	Pass
Band7	15	2562.5	QPSK	38	LOW	22.11	0.73	22.84	33	Pass
Band7	15	2562.5	QPSK	38	MID	22.11	0.73	22.84	33	Pass
Band7	15	2562.5	QPSK	38	HIGH	22.12	0.73	22.85	33	Pass
Band7	15	2562.5	QPSK	1	LOW	23.01	0.73	23.74	33	Pass
Band7	15	2562.5	QPSK	1	MID	23.09	0.73	23.82	33	Pass
Band7	15	2562.5	QPSK	1	HIGH	22.9	0.73	23.63	33	Pass
Band7	15	2562.5	16QAM	75	LOW	21.18	0.73	21.91	33	Pass
Band7	15	2562.5	16QAM	38	LOW	21.1	0.73	21.83	33	Pass
Band7	15	2562.5	16QAM	38	MID	21.1	0.73	21.83	33	Pass
Band7	15	2562.5	16QAM	38	HIGH	21.04	0.73	21.77	33	Pass
Band7	15	2562.5	16QAM	1	LOW	22.54	0.73	23.27	33	Pass
Band7	15	2562.5	16QAM	1	MID	22.63	0.73	23.36	33	Pass
Band7	15	2562.5	16QAM	1	HIGH	22.47	0.73	23.2	33	Pass
Band7	20	2510	QPSK	100	LOW	21.7	0.73	22.43	33	Pass
Band7	20	2510	QPSK	50	LOW	21.63	0.73	22.36	33	Pass
Band7	20	2510	QPSK	50	MID	21.61	0.73	22.34	33	Pass
Band7	20	2510	QPSK	50	HIGH	21.62	0.73	22.35	33	Pass
Band7	20	2510	QPSK	1	LOW	22.72	0.73	23.45	33	Pass
Band7	20	2510	QPSK	1	MID	23.12	0.73	23.85	33	Pass
Band7	20	2510	QPSK	1	HIGH	22.58	0.73	23.31	33	Pass
Band7	20	2510	16QAM	100	LOW	20.64	0.73	21.37	33	Pass
Band7	20	2510	16QAM	50	LOW	20.72	0.73	21.45	33	Pass
Band7	20	2510	16QAM	50	MID	20.69	0.73	21.42	33	Pass

Band7	20	2510	16QAM	50	HIGH	20.8	0.73	21.53	33	Pass
Band7	20	2510	16QAM	1	LOW	21.87	0.73	22.6	33	Pass
Band7	20	2510	16QAM	1	MID	22.41	0.73	23.14	33	Pass
Band7	20	2510	16QAM	1	HIGH	21.83	0.73	22.56	33	Pass
Band7	20	2535	QPSK	100	LOW	21.88	0.73	22.61	33	Pass
Band7	20	2535	QPSK	50	LOW	21.74	0.73	22.47	33	Pass
Band7	20	2535	QPSK	50	MID	21.71	0.73	22.44	33	Pass
Band7	20	2535	QPSK	50	HIGH	22.01	0.73	22.74	33	Pass
Band7	20	2535	QPSK	1	LOW	22.47	0.73	23.2	33	Pass
Band7	20	2535	QPSK	1	MID	22.96	0.73	23.69	33	Pass
Band7	20	2535	QPSK	1	HIGH	22.69	0.73	23.42	33	Pass
Band7	20	2535	16QAM	100	LOW	20.97	0.73	21.7	33	Pass
Band7	20	2535	16QAM	50	LOW	20.8	0.73	21.53	33	Pass
Band7	20	2535	16QAM	50	MID	20.8	0.73	21.53	33	Pass
Band7	20	2535	16QAM	50	HIGH	20.99	0.73	21.72	33	Pass
Band7	20	2535	16QAM	1	LOW	22.09	0.73	22.82	33	Pass
Band7	20	2535	16QAM	1	MID	22.66	0.73	23.39	33	Pass
Band7	20	2535	16QAM	1	HIGH	22.14	0.73	22.87	33	Pass
Band7	20	2560	QPSK	100	LOW	21.98	0.73	22.71	33	Pass
Band7	20	2560	QPSK	50	LOW	22.14	0.73	22.87	33	Pass
Band7	20	2560	QPSK	50	MID	22.14	0.73	22.87	33	Pass
Band7	20	2560	QPSK	50	HIGH	21.86	0.73	22.59	33	Pass
Band7	20	2560	QPSK	1	LOW	22.84	0.73	23.57	33	Pass
Band7	20	2560	QPSK	1	MID	23.3	0.73	24.03	33	Pass
Band7	20	2560	QPSK	1	HIGH	22.72	0.73	23.45	33	Pass
Band7	20	2560	16QAM	100	LOW	21.09	0.73	21.82	33	Pass
Band7	20	2560	16QAM	50	LOW	21.05	0.73	21.78	33	Pass
Band7	20	2560	16QAM	50	MID	21.02	0.73	21.75	33	Pass
Band7	20	2560	16QAM	50	HIGH	20.85	0.73	21.58	33	Pass
Band7	20	2560	16QAM	1	LOW	22.02	0.73	22.75	33	Pass
Band7	20	2560	16QAM	1	MID	22.52	0.73	23.25	33	Pass
Band7	20	2560	16QAM	1	HIGH	22.07	0.73	22.8	33	Pass