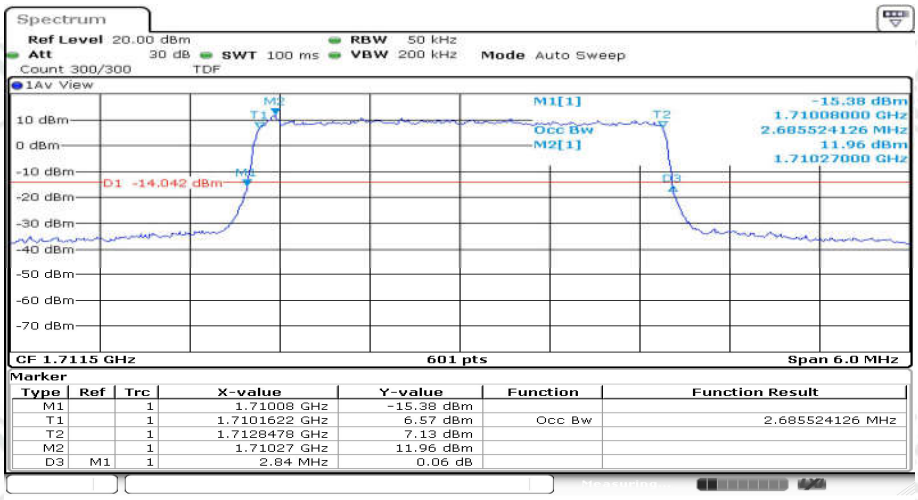
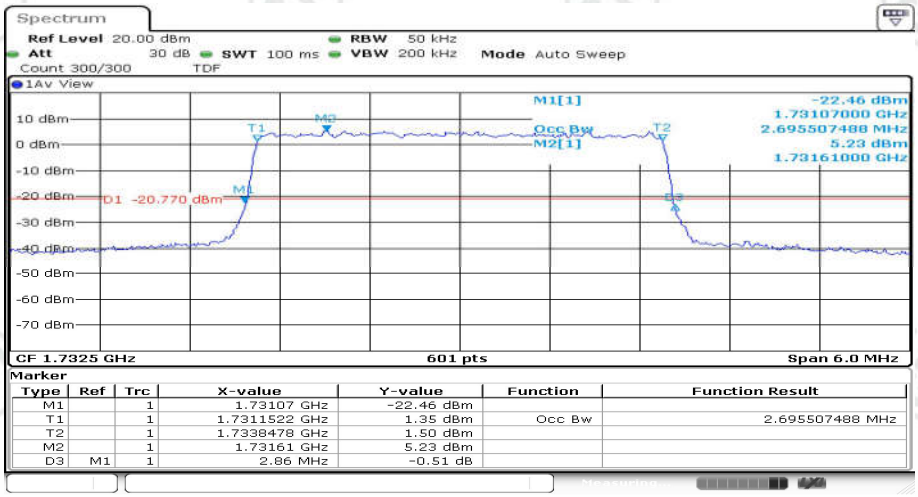
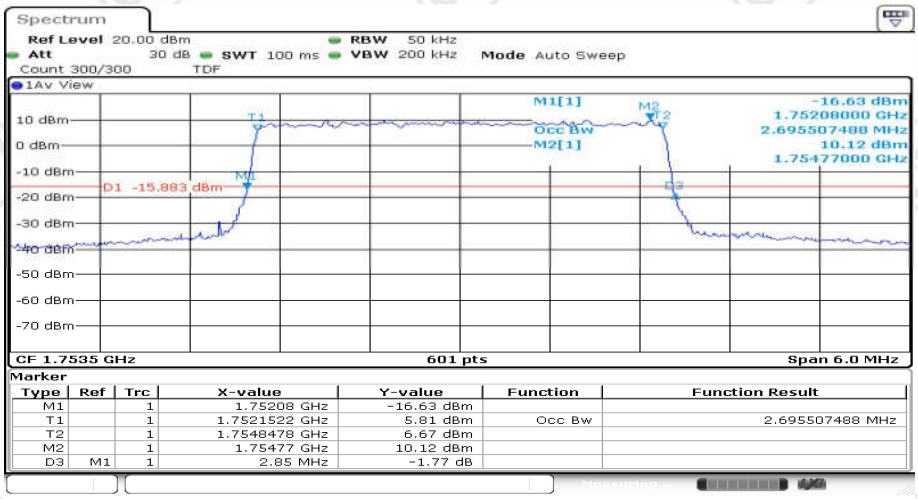

Spectrum
Ref Level 20.00 dBm
RBW 50 kHz
Att 30 dB
SWT 100 ms
VBW 200 kHz
Mode Auto Sweep
Count 300/300
TDF
1Av View
M1[1] -15.38 dBm
1.71008000 GHz
Occ BW 2.685524126 MHz
M2[1] 11.96 dBm
1.71027000 GHz
D1 -14.042 dBm
CF 1.7115 GHz
601 pts
Span 6.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 1.71008 GHz -15.38 dBm
T1 1 1.7101622 GHz 6.57 dBm Occ Bw 2.685524126 MHz
T2 1 1.7128478 GHz 7.13 dBm
M2 1 1.71027 GHz 11.96 dBm
D3 M1 1 2.84 MHz 0.06 dB
Date: 5.NOV.2021 16:17:54

Band4-3MHz-QPSK-20175-15RB#0-2.696



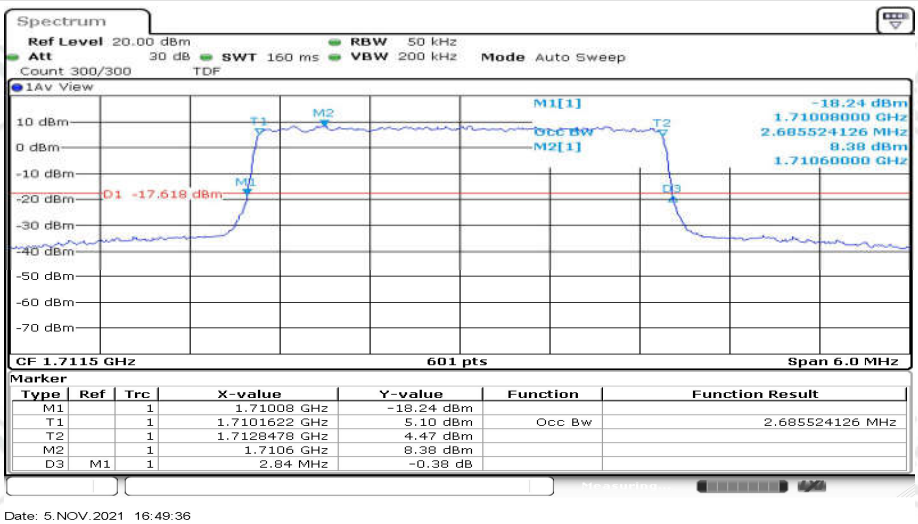
Date: 5.NOV.2021 16:18:44

Band4-3MHz-QPSK-20385-15RB#0-2.696

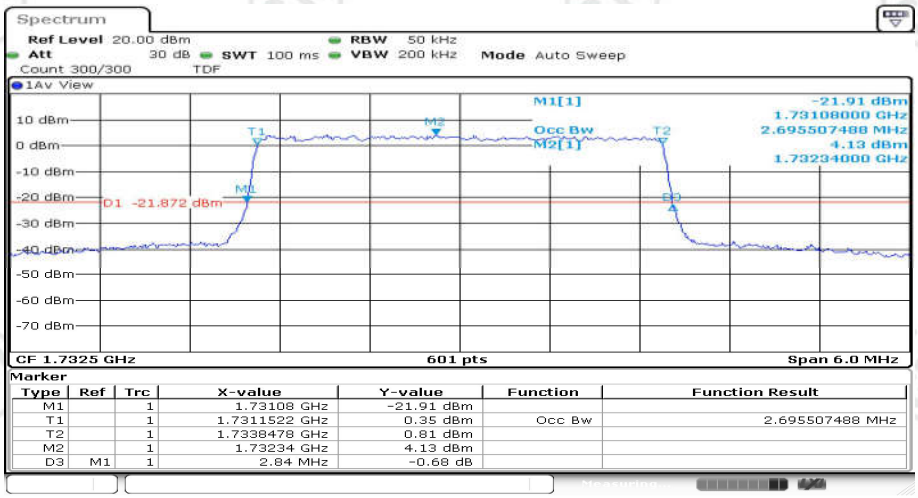


Date: 5.NOV.2021 16:19:34

Band4-3MHz-16QAM-19965-15RB#0-2.686

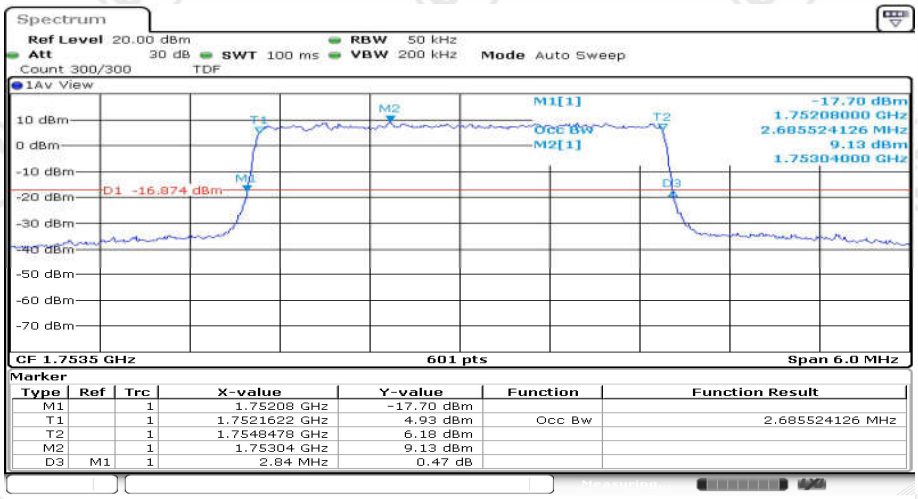

Spectrum
Ref Level 20.00 dBm
RBW 50 kHz
Att 30 dB
SWT 160 ms
VBW 200 kHz
Mode Auto Sweep
Count 300/300
TDF
1Av View
M1[1] -18.24 dBm
1.71008000 GHz
Occ BW 2.685524126 MHz
M2[1] 8.38 dBm
1.71060000 GHz
D1 -17.618 dBm
CF 1.7115 GHz
601 pts
Span 6.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 1.71008 GHz -18.24 dBm
T1 1 1.7101622 GHz 5.10 dBm Occ Bw 2.685524126 MHz
T2 1 1.7128478 GHz 4.47 dBm
M2 1 1.7106 GHz 8.38 dBm
D3 M1 1 2.84 MHz -0.38 dB
Date: 5.NOV.2021 16:49:36

Band4-3MHz-16QAM-20175-15RB#0-2.696



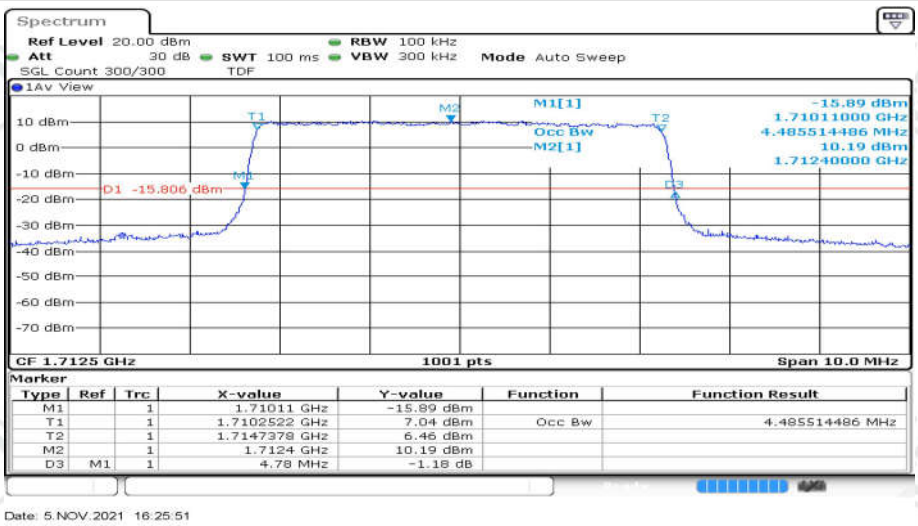
Date: 5.NOV.2021 16:50:26

Band4-3MHz-16QAM-20385-15RB#0-2.686

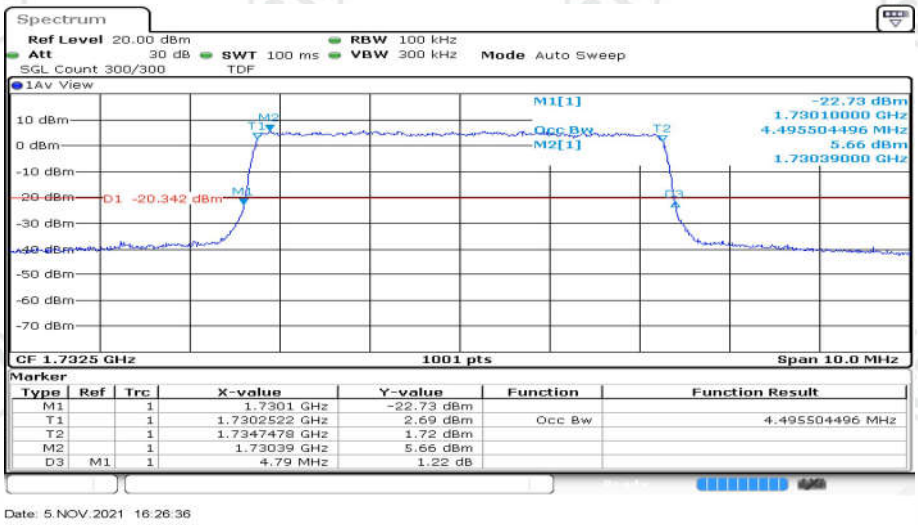


Date: 5.NOV.2021 16:51:28

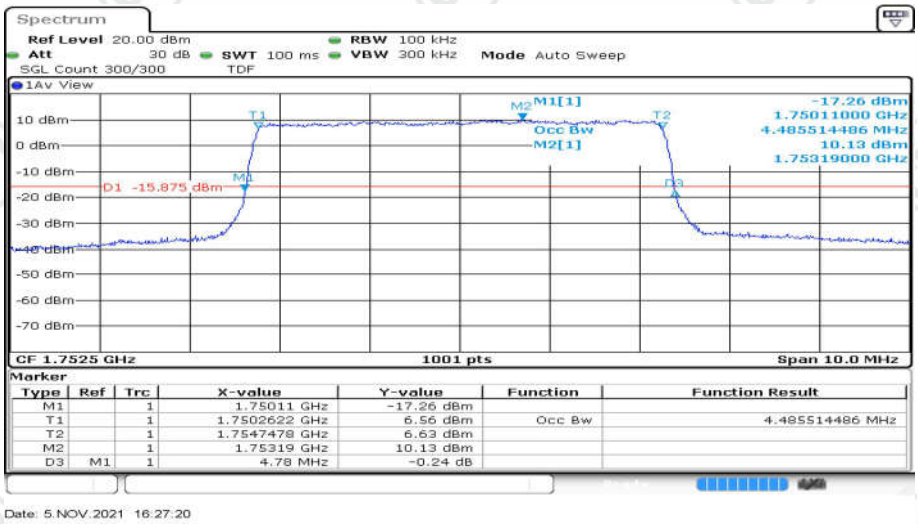
Band4-5MHz-QPSK-19975-25RB#0-4.486


Spectrum
Ref Level 20.00 dBm
RBW 100 kHz
Att 30 dB
SWT 100 ms
VBW 300 kHz
Mode Auto Sweep
SGL Count 300/300
TDF
1Av View
M1[1] -15.89 dBm
1.71011000 GHz
Occ Bw 4.485514486 MHz
M2[1] 10.19 dBm
1.71240000 GHz
D1 -15.806 dBm
CF 1.7125 GHz
1001 pts
Span 10.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 1.71011 GHz -15.89 dBm
T1 1 1.7102522 GHz 7.04 dBm Occ Bw 4.485514486 MHz
T2 1 1.7147378 GHz 6.46 dBm
M2 1 1.7124 GHz 10.19 dBm
D3 M1 1 4.78 MHz -1.18 dB
Date: 5.NOV.2021 16:25:51

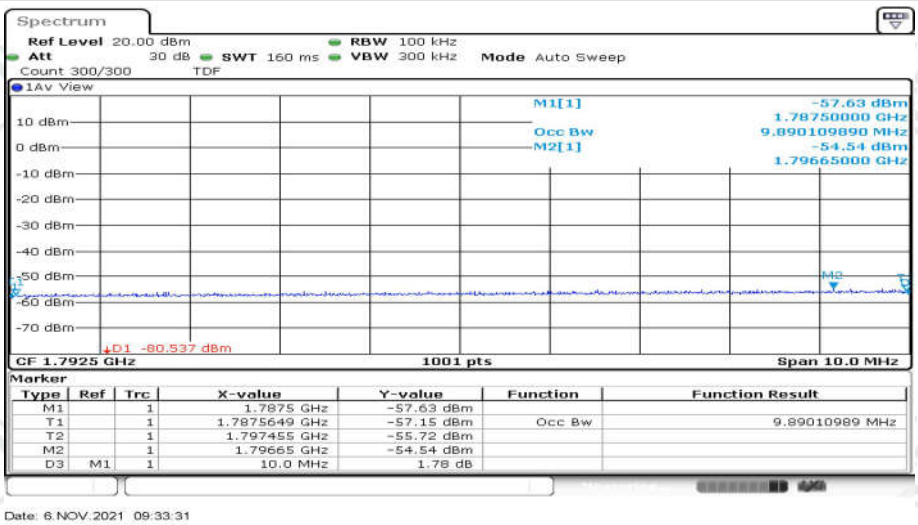
Band4-5MHz-QPSK-20175-25RB#0-4.496



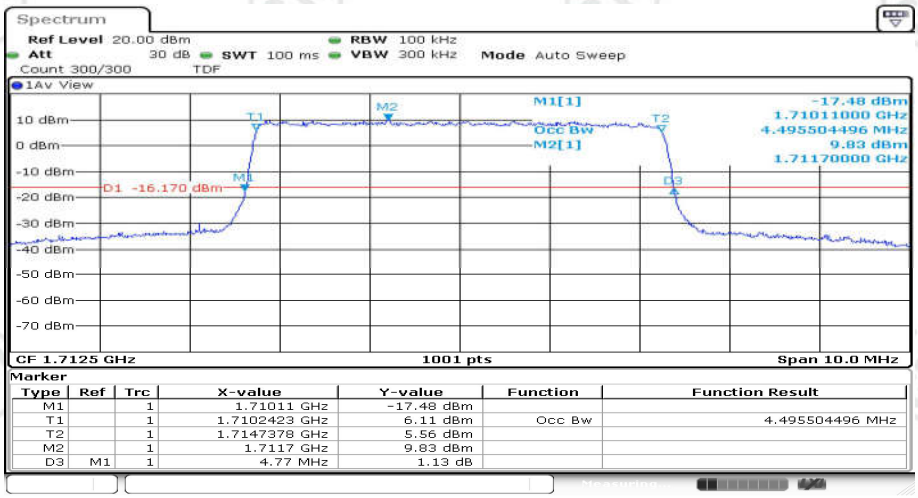
Band4-5MHz-QPSK-20375-25RB#0-4.486



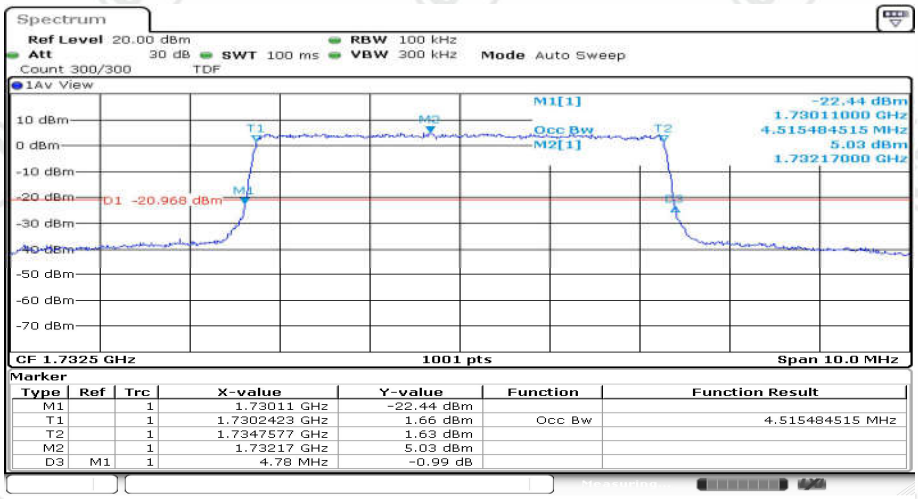
Band4-5MHz-QPSK-20775-25RB#0-9.89


Spectrum
Ref Level 20.00 dBm
RBW 100 kHz
Att 30 dB
SWT 160 ms
VBW 300 kHz
Mode Auto Sweep
Count 300/300
TDF
1Av View
M1[1] -57.63 dBm
1.78750000 GHz
Occ Bw 9.890109890 MHz
M2[1] -54.54 dBm
1.79665000 GHz
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
D1 -80.537 dBm
CF 1.7925 GHz
1001 pts
Span 10.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 1.7875 GHz -57.63 dBm
T1 1 1.7875649 GHz -57.15 dBm Occ Bw 9.89010989 MHz
T2 1 1.797455 GHz -55.72 dBm
M2 1 1.79665 GHz -54.54 dBm
D3 M1 1 10.0 MHz 1.78 dB
Date: 6.NOV.2021 09:33:31

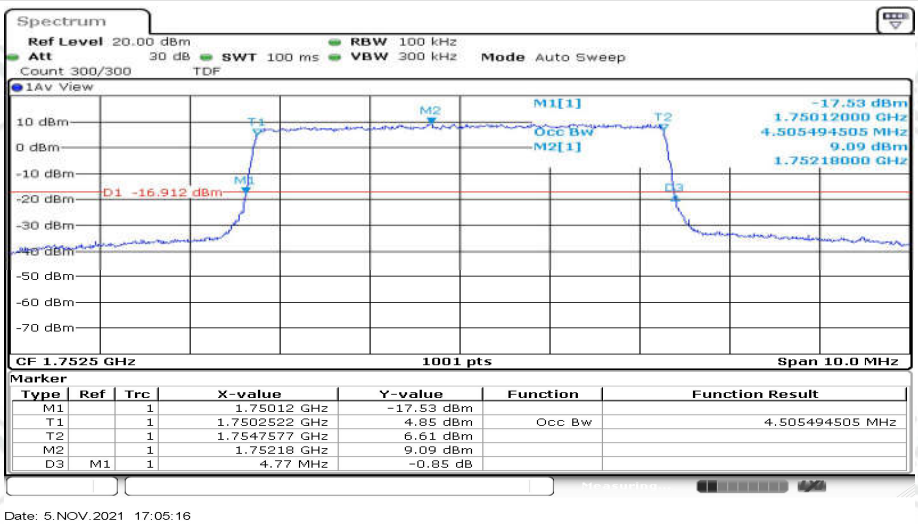
Band4-5MHz-16QAM-19975-25RB#0-4.496



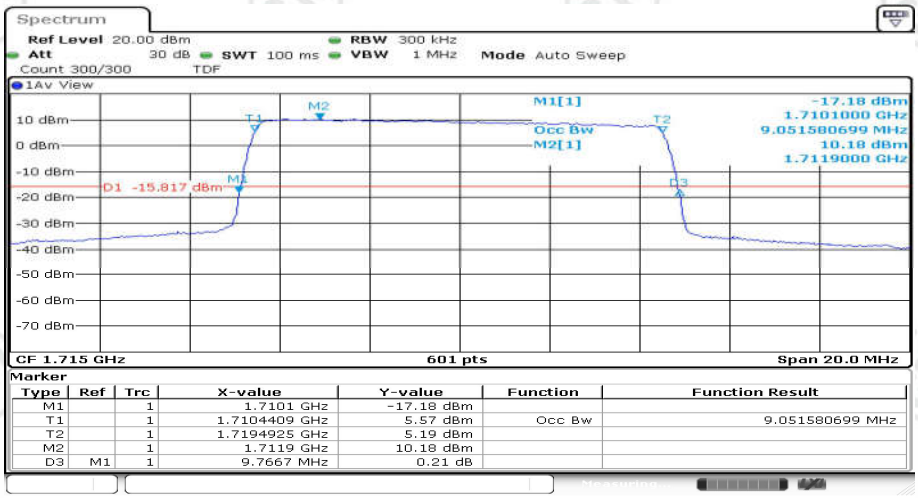
Band4-5MHz-16QAM-20175-25RB#0-4.515



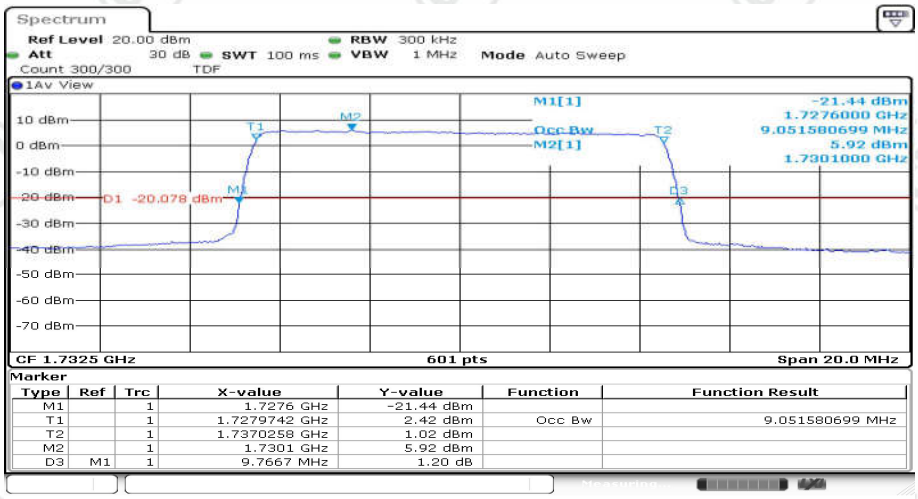
Band4-5MHz-16QAM-20375-25RB#0-4.505


Spectrum
Ref Level 20.00 dBm
RBW 100 kHz
Att 30 dB
SWT 100 ms
VBW 300 kHz
Mode Auto Sweep
Count 300/300
TDF
1Av View
M1[1] -17.53 dBm
1.75012000 GHz
Occ Bw 4.505494505 MHz
M2[1] 9.09 dBm
1.75218000 GHz
D1 -16.912 dBm
CF 1.7525 GHz
1001 pts
Span 10.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 1.75012 GHz -17.53 dBm
T1 1 1.7502522 GHz 4.85 dBm Occ Bw 4.505494505 MHz
T2 1 1.7547577 GHz 6.61 dBm
M2 1 1.75218 GHz 9.09 dBm
D3 M1 1 4.77 MHz -0.85 dB
Date: 5.NOV.2021 17:05:16

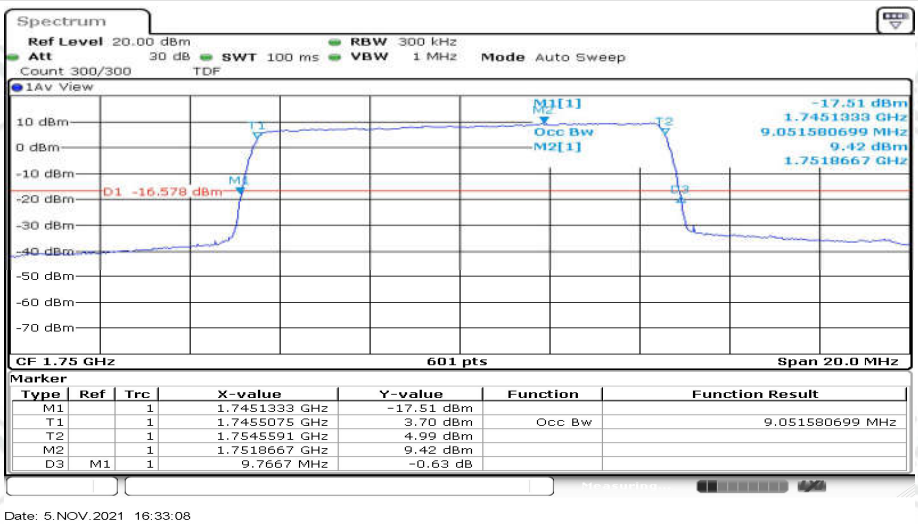
Band4-10MHz-QPSK-20000-50RB#0-9.052



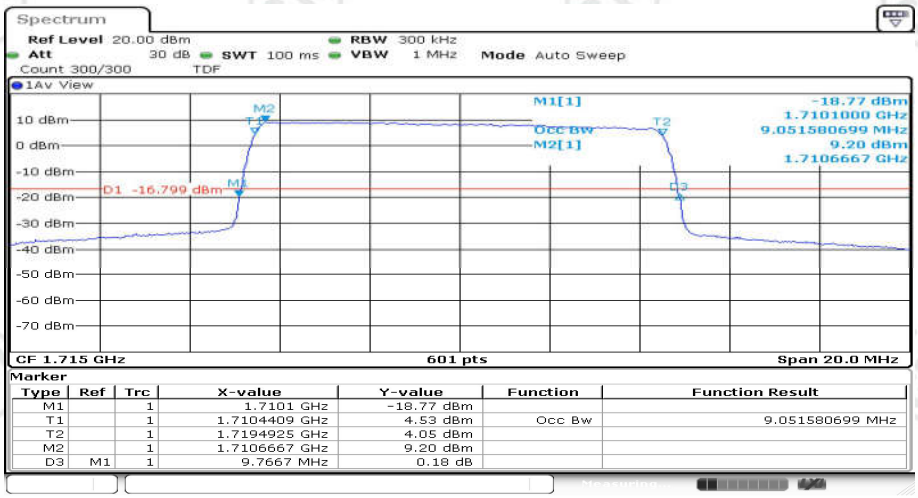
Band4-10MHz-QPSK-20175-50RB#0-9.052



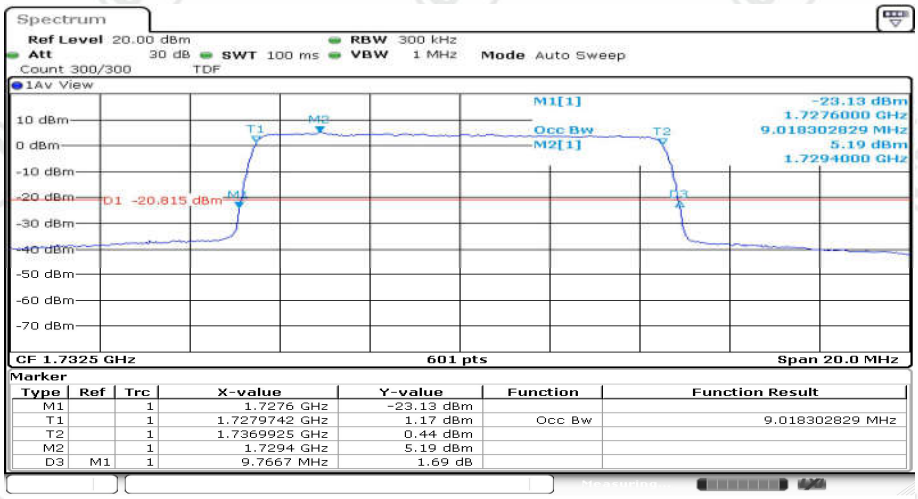
Band4-10MHz-QPSK-20350-50RB#0-9.052


Spectrum
Ref Level 20.00 dBm
RBW 300 kHz
Att 30 dB
SWT 100 ms
VBW 1 MHz
Mode Auto Sweep
Count 300/300
TDF
1Av View
M1[1]
-17.51 dBm
1.7451333 GHz
Occ Bw
9.051580699 MHz
M2[1]
9.42 dBm
1.7518667 GHz
D1 -16.578 dBm
CF 1.75 GHz
601 pts
Span 20.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 1.7451333 GHz -17.51 dBm
T1 1 1.7455075 GHz 3.70 dBm Occ Bw 9.051580699 MHz
T2 1 1.7545591 GHz 4.99 dBm
M2 1 1.7518667 GHz 9.42 dBm
D3 M1 1 9.7667 MHz -0.63 dB
Date: 5.NOV.2021 16:33:08

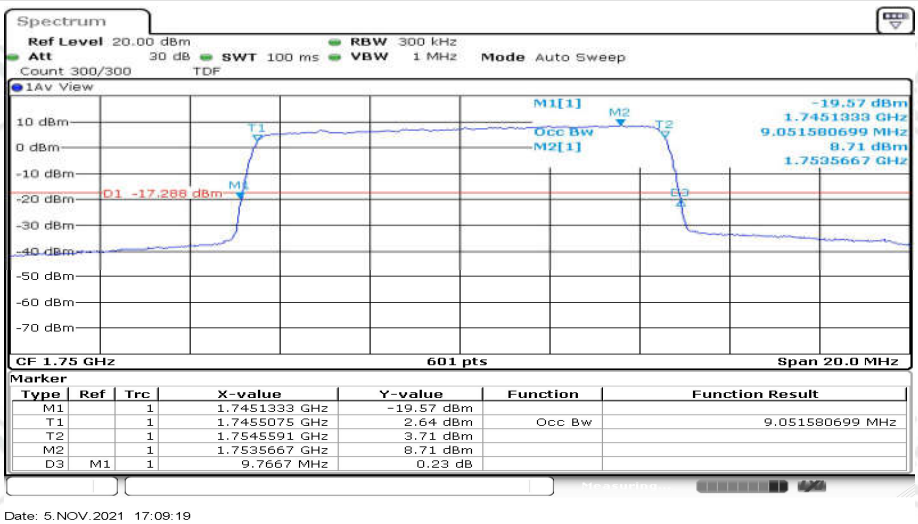
Band4-10MHz-16QAM-20000-50RB#0-9.052



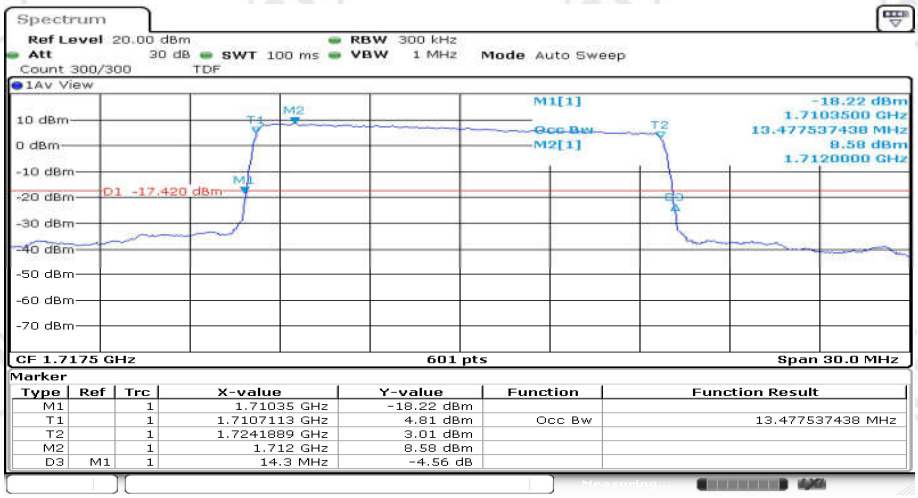
Band4-10MHz-16QAM-20175-50RB#0-9.018



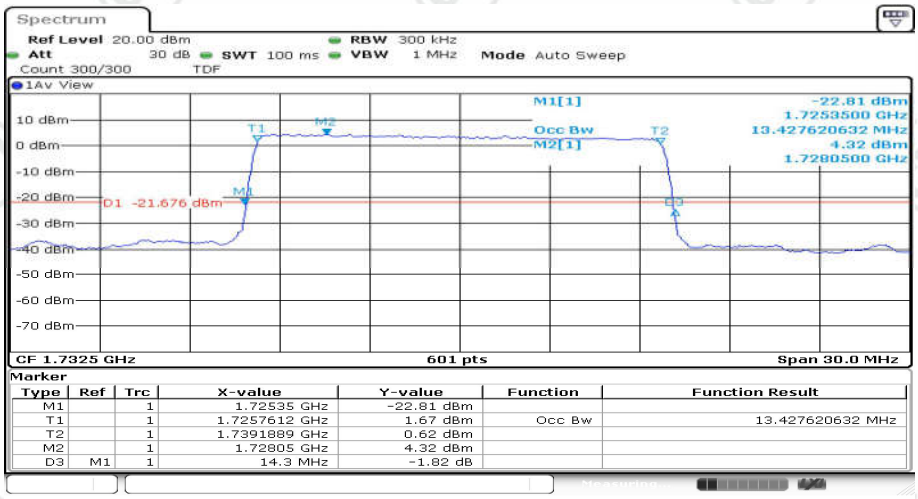
Band4-10MHz-16QAM-20350-50RB#0-9.052


Spectrum
Ref Level 20.00 dBm
RBW 300 kHz
Att 30 dB
SWT 100 ms
VBW 1 MHz
Mode Auto Sweep
Count 300/300
TDF
1Av View
M1[1]
-19.57 dBm
1.7451333 GHz
M2
T2
Occ Bw
9.051580699 MHz
M2[1]
8.71 dBm
1.7535667 GHz
T1
M1
D1 -17.288 dBm
D3
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
CF 1.75 GHz
601 pts
Span 20.0 MHz
Marker
Type | Ref | Trc | X-value | Y-value | Function | Function Result
M1 | | 1 | 1.7451333 GHz | -19.57 dBm | |
T1 | | 1 | 1.7455075 GHz | 2.64 dBm | Occ Bw | 9.051580699 MHz
T2 | | 1 | 1.7545591 GHz | 3.71 dBm | |
M2 | | 1 | 1.7535667 GHz | 8.71 dBm | |
D3 | M1 | 1 | 9.7667 MHz | 0.23 dB | |
Date: 5.NOV.2021 17:09:19

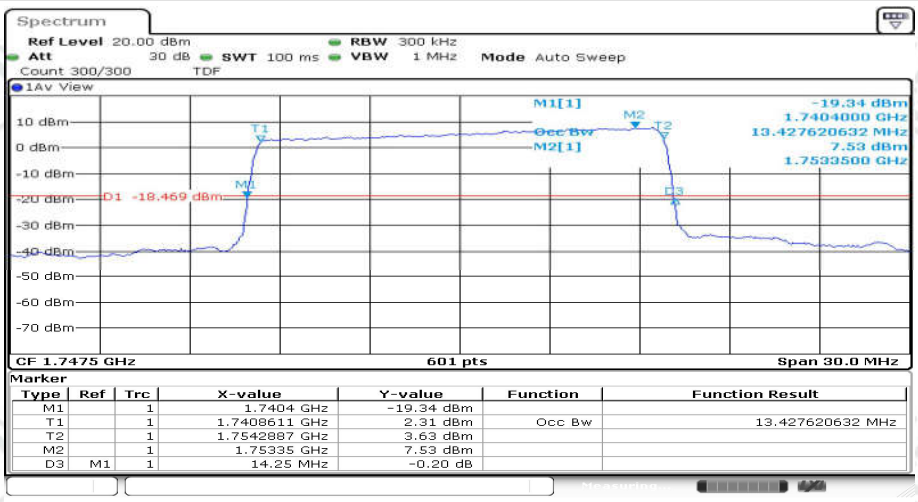
Band4-15MHz-QPSK-20025-75RB#0-13.478



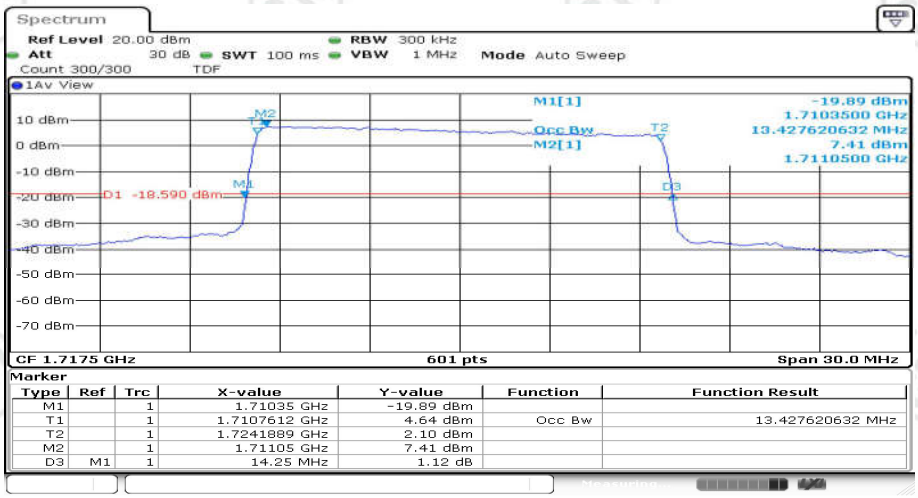
Band4-15MHz-QPSK-20175-75RB#0-13.428



Band4-15MHz-QPSK-20325-75RB#0-13.428

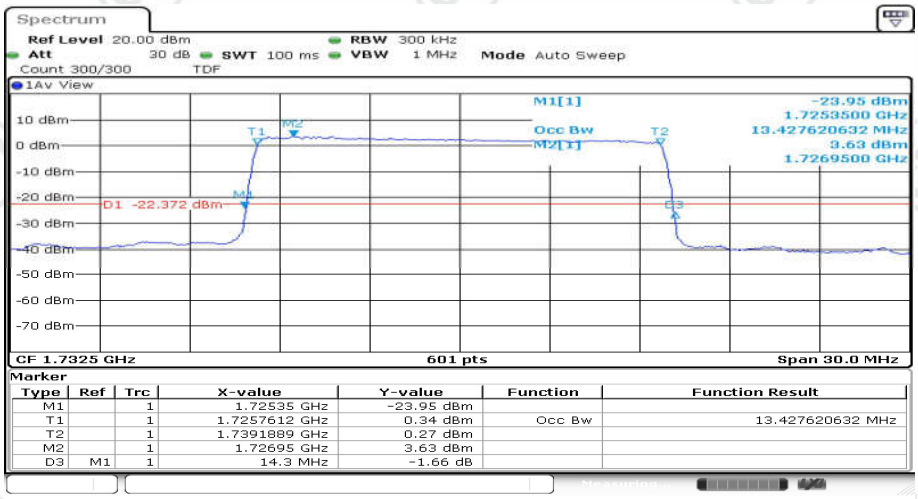

Spectrum
Ref Level 20.00 dBm
RBW 300 kHz
Att 30 dB
SWT 100 ms
VBW 1 MHz
Mode Auto Sweep
Count 300/300
TDF
1Av View
M1[1]
-19.34 dBm
1.7404000 GHz
Occ Bw
13.427620632 MHz
M2[1]
7.53 dBm
1.7533500 GHz
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
D1 -18.469 dBm
T1
M1
M2
T2
D3
CF 1.7475 GHz
601 pts
Span 30.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 1.7404 GHz -19.34 dBm
T1 1 1.7408611 GHz 2.31 dBm Occ Bw 13.427620632 MHz
T2 1 1.7542887 GHz 3.63 dBm
M2 1 1.75335 GHz 7.53 dBm
D3 M1 1 14.25 MHz -0.20 dB
Date: 5.NOV.2021 16:37:26

Band4-15MHz-16QAM-20025-75RB#0-13.428



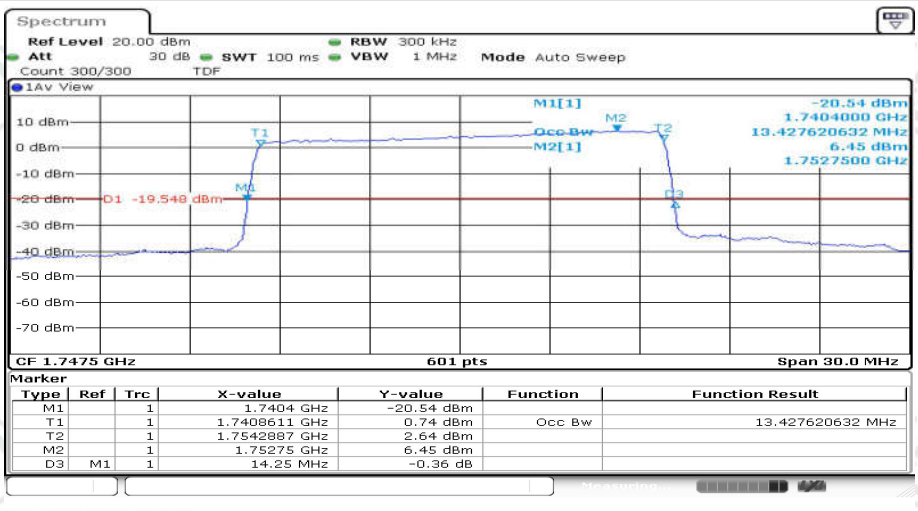
Date: 5.NOV.2021 17:12:00

Band4-15MHz-16QAM-20175-75RB#0-13.428

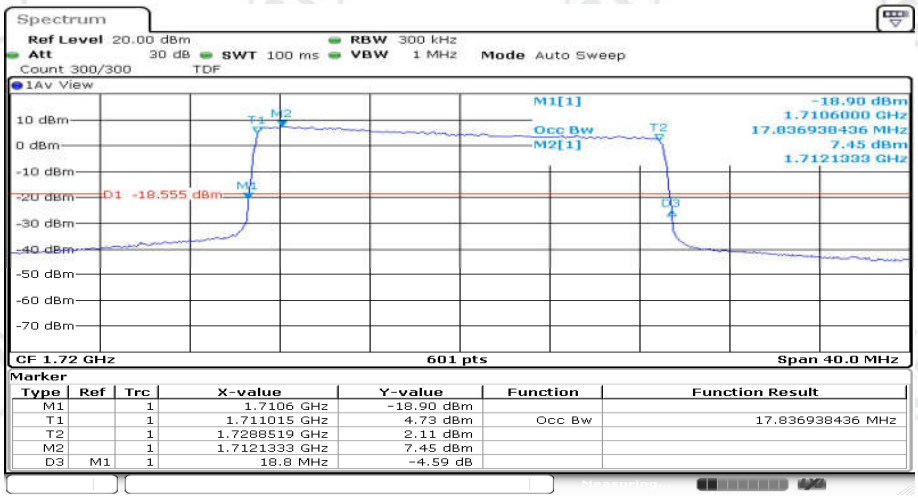


Date: 5.NOV.2021 17:13:03

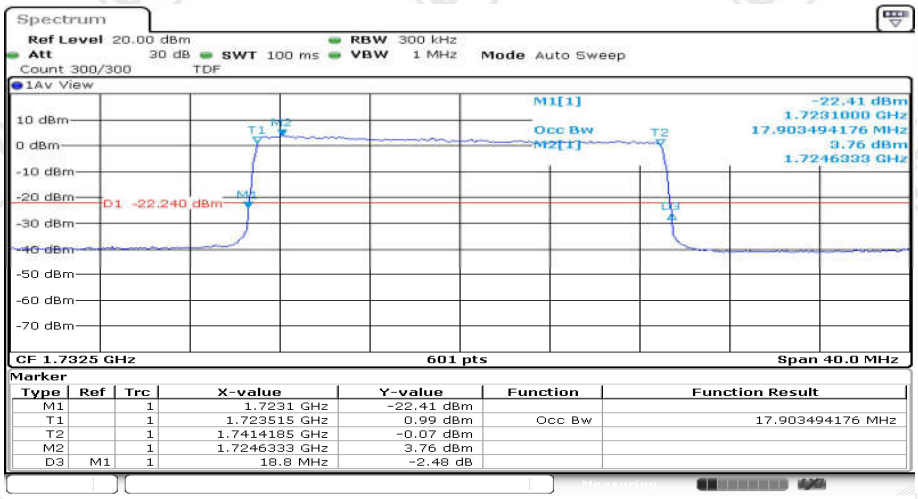
Band4-15MHz-16QAM-20325-75RB#0-13.428


Spectrum
Ref Level 20.00 dBm
RBW 300 kHz
Att 30 dB
SWT 100 ms
VBW 1 MHz
Mode Auto Sweep
Count 300/300
TDF
1Av View
M1[1]
-20.54 dBm
1.7404000 GHz
Occ Bw
13.427620632 MHz
M2[1]
6.45 dBm
1.7527500 GHz
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
D1 -19.548 dBm
T1
M1
M2
T2
D3
CF 1.7475 GHz
601 pts
Span 30.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 1.7404 GHz -20.54 dBm
T1 1 1.7408611 GHz 0.74 dBm Occ Bw 13.427620632 MHz
T2 1 1.7542887 GHz 2.64 dBm
M2 1 1.75275 GHz 6.45 dBm
D3 M1 1 14.25 MHz -0.36 dB
Date: 5.NOV.2021 17:14:19

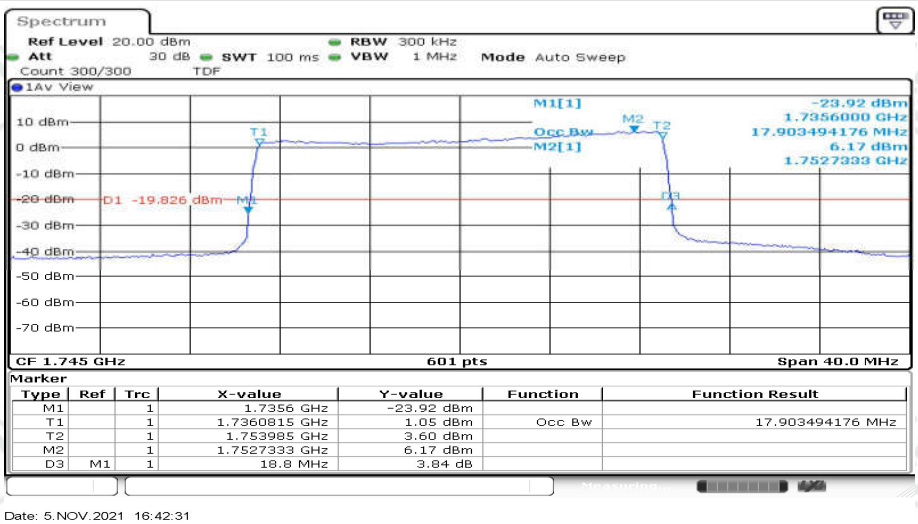
Band4-20MHz-QPSK-20050-100RB#0-17.837



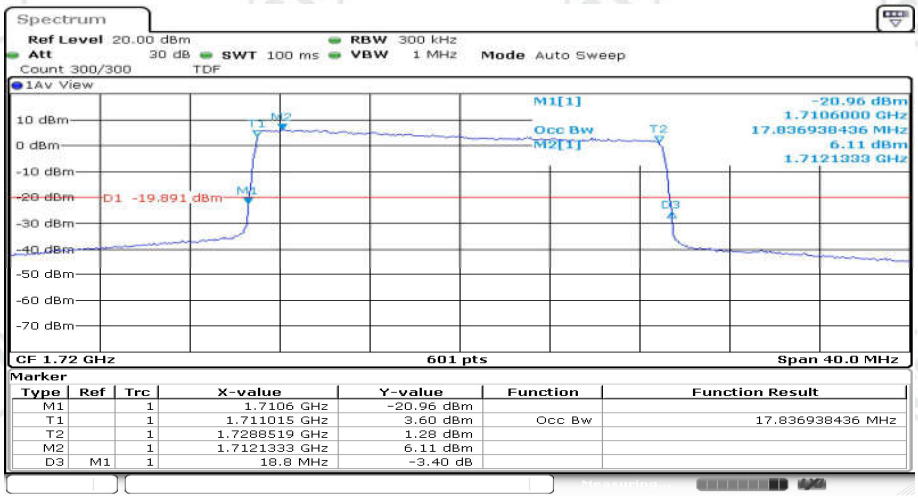
Band4-20MHz-QPSK-20175-100RB#0-17.903



Band4-20MHz-QPSK-20300-100RB#0-17.903

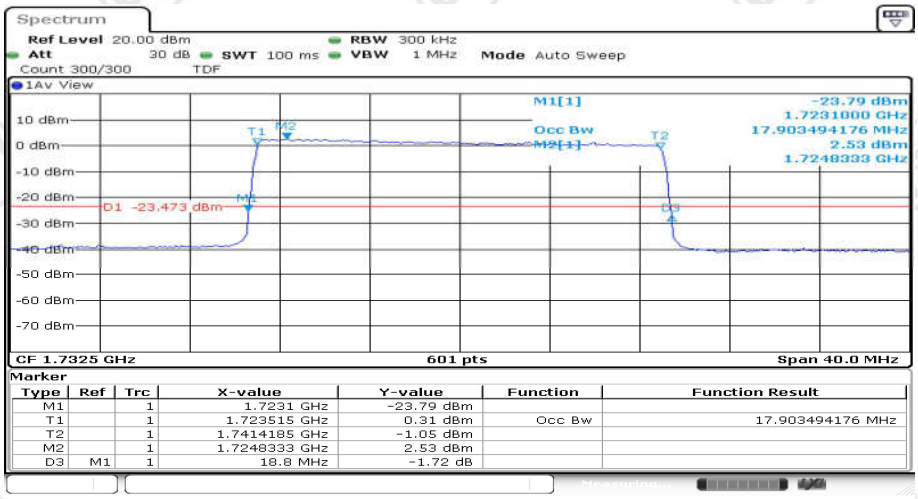

Spectrum
Ref Level 20.00 dBm
RBW 300 kHz
Att 30 dB
SWT 100 ms
VBW 1 MHz
Mode Auto Sweep
Count 300/300
TDF
1Av View
M1[1] -23.92 dBm
1.7356000 GHz
Occ Bw 17.903494176 MHz
M2[1] 6.17 dBm
1.7527333 GHz
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
D1 -19.826 dBm
CF 1.745 GHz
601 pts
Span 40.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 1.7356 GHz -23.92 dBm
T1 1 1.7360815 GHz 1.05 dBm Occ Bw 17.903494176 MHz
T2 1 1.753985 GHz 3.60 dBm
M2 1 1.7527333 GHz 6.17 dBm
D3 M1 1 18.8 MHz 3.84 dB
Date: 5.NOV.2021 16:42:31

Band4-20MHz-16QAM-20050-100RB#0-17.837



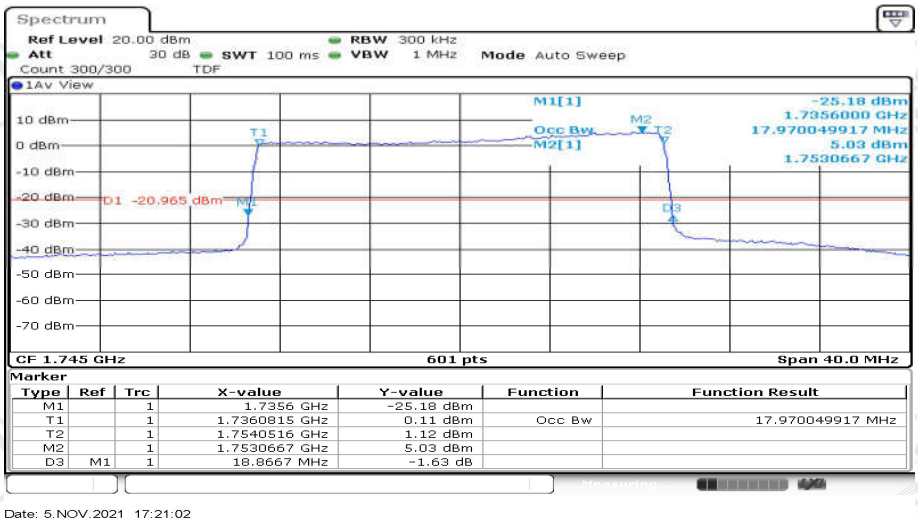
Date: 5.NOV.2021 17:19:35

Band4-20MHz-16QAM-20175-100RB#0-17.903



Date: 5.NOV.2021 17:20:18

Band4-20MHz-16QAM-20300-100RB#0-17.97


Spectrum
Ref Level 20.00 dBm
RBW 300 kHz
Att 30 dB
SWT 100 ms
VBW 1 MHz
Mode Auto Sweep
Count 300/300
TDF
1Av View
M1[1]
-25.18 dBm
1.7356000 GHz
Occ Bw
17.970049917 MHz
M2[1]
5.03 dBm
1.7530667 GHz
T1
M2
T2
D1 -20.965 dBm
M1
D3
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
CF 1.745 GHz
601 pts
Span 40.0 MHz
Marker
Type | Ref | Trc | X-value | Y-value | Function | Function Result
M1 | | 1 | 1.7356 GHz | -25.18 dBm | |
T1 | | 1 | 1.7360815 GHz | 0.11 dBm | Occ Bw | 17.970049917 MHz
T2 | | 1 | 1.7540516 GHz | 1.12 dBm | |
M2 | | 1 | 1.7530667 GHz | 5.03 dBm | |
D3 | M1 | 1 | 18.8667 MHz | -1.63 dB | |
Date: 5.NOV.2021 17:21:02

Appendix D: Band Edge

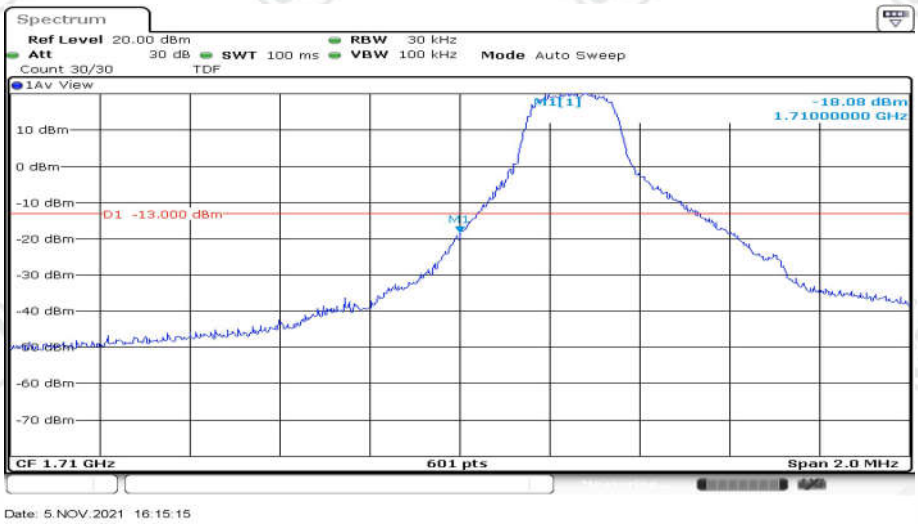
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	-18.08	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	-28.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	-25.57	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	-27.92	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	-19.50	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-26.91	PASS
Band4	3MHz	QPSK	19965	1RB#0	-16.07	PASS
Band4	3MHz	QPSK	19965	1RB#14	-41.27	PASS
Band4	3MHz	QPSK	19965	15RB#0	-27.92	PASS
Band4	3MHz	QPSK	20385	1RB#0	-40.22	PASS
Band4	3MHz	QPSK	20385	1RB#14	-18.02	PASS
Band4	3MHz	QPSK	20385	15RB#0	-28.65	PASS
Band4	3MHz	16QAM	19965	1RB#0	-17.91	PASS
Band4	3MHz	16QAM	19965	1RB#14	-42.07	PASS
Band4	3MHz	16QAM	19965	15RB#0	-29.98	PASS
Band4	3MHz	16QAM	20385	1RB#0	-42.38	PASS
Band4	3MHz	16QAM	20385	1RB#14	-18.17	PASS
Band4	3MHz	16QAM	20385	15RB#0	-30.62	PASS
Band4	5MHz	QPSK	19975	1RB#0	-17.07	PASS
Band4	5MHz	QPSK	19975	1RB#24	-43.10	PASS
Band4	5MHz	QPSK	19975	25RB#0	-27.10	PASS
Band4	5MHz	QPSK	20375	1RB#0	-43.20	PASS
Band4	5MHz	QPSK	20375	1RB#24	-17.00	PASS
Band4	5MHz	QPSK	20375	25RB#0	-29.35	PASS
Band4	5MHz	16QAM	19975	1RB#0	-18.08	PASS
Band4	5MHz	16QAM	19975	1RB#24	-43.01	PASS
Band4	5MHz	16QAM	19975	25RB#0	-28.37	PASS
Band4	5MHz	16QAM	20375	1RB#0	-42.76	PASS
Band4	5MHz	16QAM	20375	1RB#24	-17.76	PASS
Band4	5MHz	16QAM	20375	25RB#0	-29.86	PASS
Band4	10MHz	QPSK	20000	1RB#0	-23.75	PASS
Band4	10MHz	QPSK	20000	1RB#49	-42.48	PASS
Band4	10MHz	QPSK	20000	50RB#0	-31.08	PASS
Band4	10MHz	QPSK	20350	1RB#0	-42.24	PASS
Band4	10MHz	QPSK	20350	1RB#49	-22.78	PASS

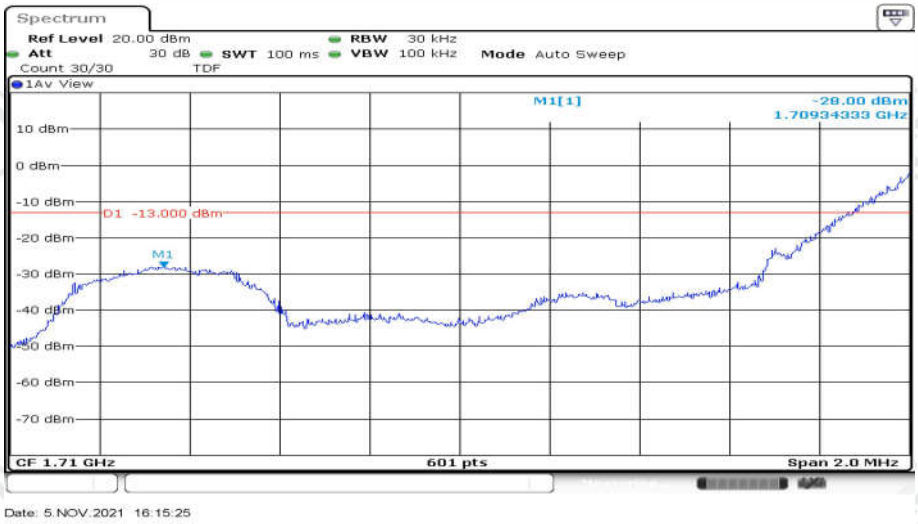
Band4	10MHz	QPSK	20350	50RB#0	-32.45	PASS
Band4	10MHz	16QAM	20000	1RB#0	-23.61	PASS
Band4	10MHz	16QAM	20000	1RB#49	-43.58	PASS
Band4	10MHz	16QAM	20000	50RB#0	-31.99	PASS
Band4	10MHz	16QAM	20350	1RB#0	-43.46	PASS
Band4	10MHz	16QAM	20350	1RB#49	-22.29	PASS
Band4	10MHz	16QAM	20350	50RB#0	-32.53	PASS
Band4	15MHz	QPSK	20025	1RB#0	-25.25	PASS
Band4	15MHz	QPSK	20025	1RB#74	-42.51	PASS
Band4	15MHz	QPSK	20025	75RB#0	-31.78	PASS
Band4	15MHz	QPSK	20325	1RB#0	-42.29	PASS
Band4	15MHz	QPSK	20325	1RB#74	-26.19	PASS
Band4	15MHz	QPSK	20325	75RB#0	-32.54	PASS
Band4	15MHz	16QAM	20025	1RB#0	-47.64	PASS
Band4	15MHz	16QAM	20025	1RB#74	-41.57	PASS
Band4	15MHz	16QAM	20025	75RB#0	-32.53	PASS
Band4	15MHz	16QAM	20325	1RB#0	-43.49	PASS
Band4	15MHz	16QAM	20325	1RB#74	-26.42	PASS
Band4	15MHz	16QAM	20325	75RB#0	-33.70	PASS
Band4	20MHz	QPSK	20050	1RB#0	-23.52	PASS
Band4	20MHz	QPSK	20050	1RB#99	-42.31	PASS
Band4	20MHz	QPSK	20050	100RB#0	-32.26	PASS
Band4	20MHz	QPSK	20300	1RB#0	-42.58	PASS
Band4	20MHz	QPSK	20300	1RB#99	-23.90	PASS
Band4	20MHz	QPSK	20300	100RB#0	-33.00	PASS
Band4	20MHz	16QAM	20050	1RB#0	-24.17	PASS
Band4	20MHz	16QAM	20050	1RB#99	-42.59	PASS
Band4	20MHz	16QAM	20050	100RB#0	-32.98	PASS
Band4	20MHz	16QAM	20300	1RB#0	-42.74	PASS
Band4	20MHz	16QAM	20300	1RB#99	-24.86	PASS
Band4	20MHz	16QAM	20300	100RB#0	-33.06	PASS

Test Graphs

Band4-1.4MHz-QPSK-19957-1RB#0



Band4-1.4MHz-QPSK-19957-1RB#5



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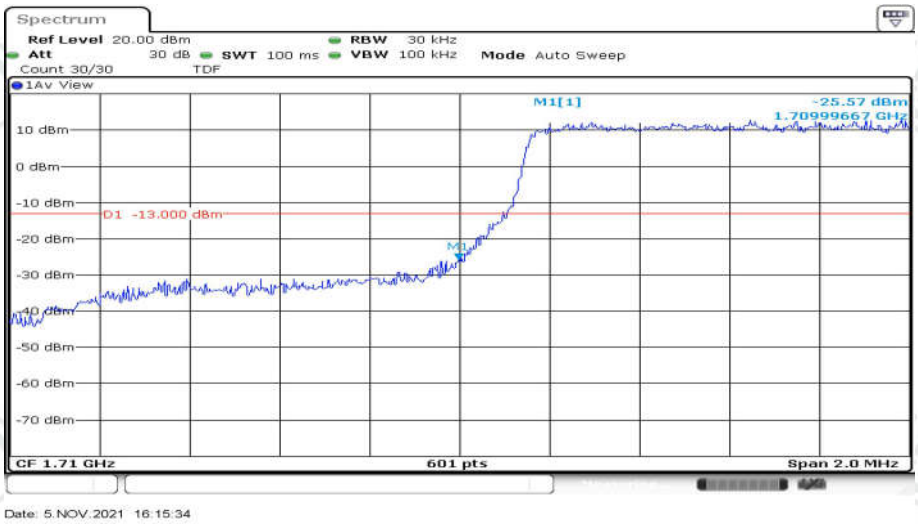
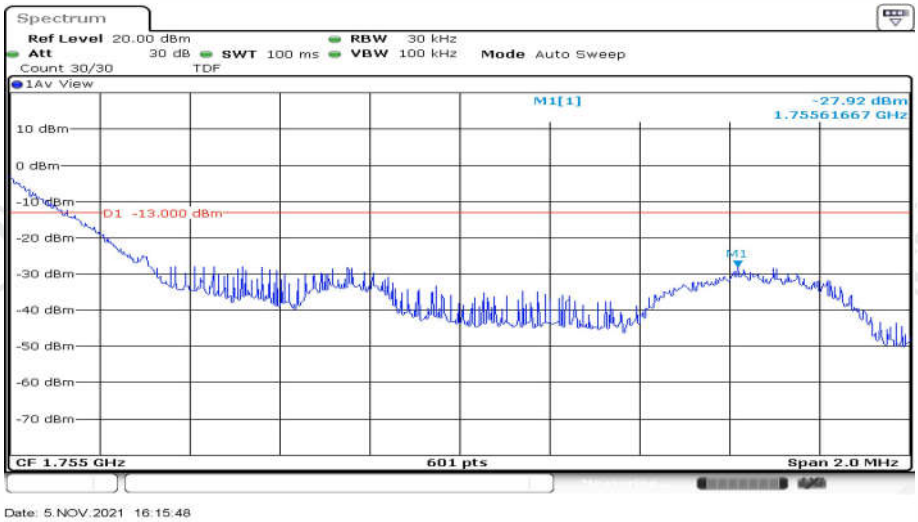


Band4-1.4MHz-QPSK-20393-1RB#0



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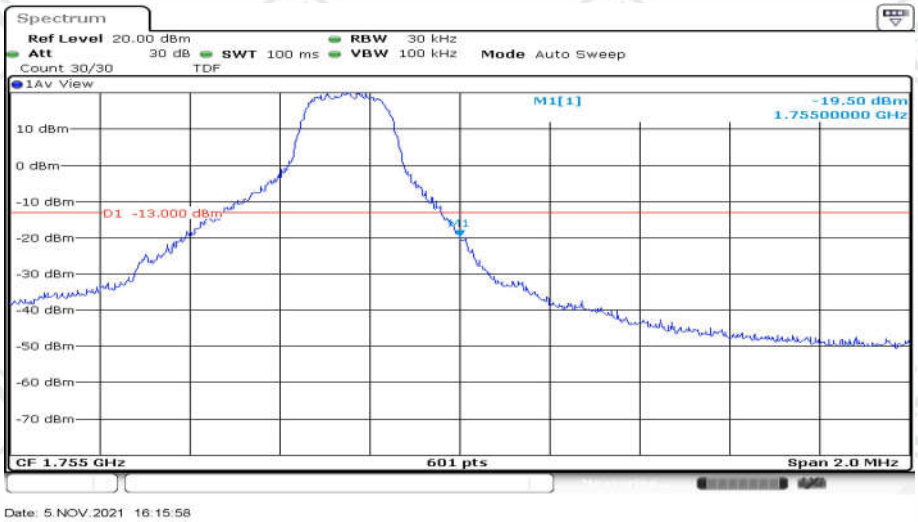
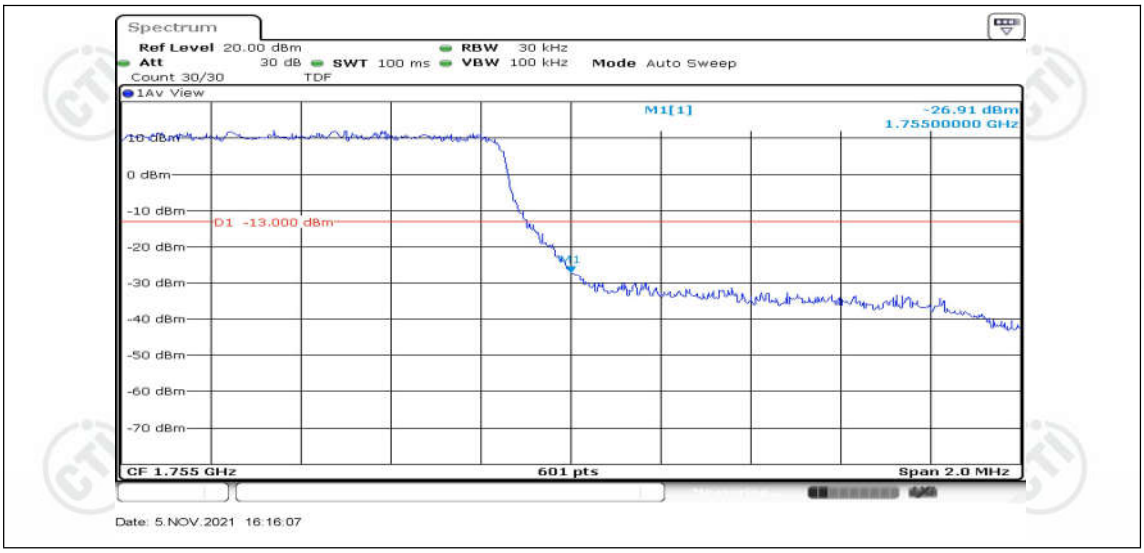
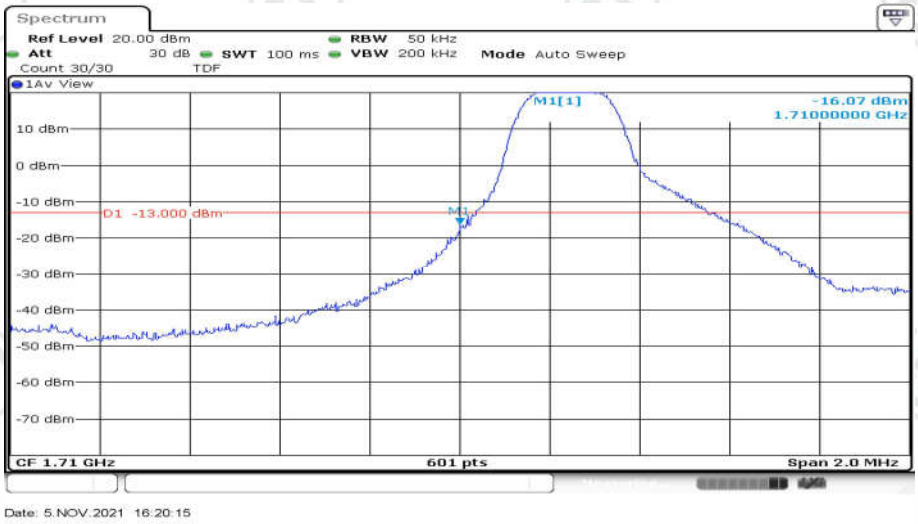


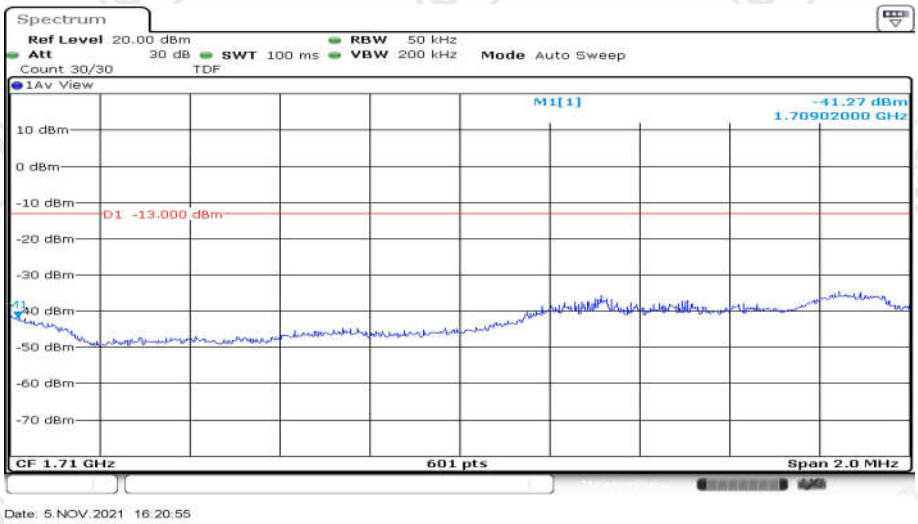
Band4-1.4MHz-QPSK-20393-6RB#0


Spectrum
Ref Level 20.00 dBm
RBW 30 kHz
Att 30 dB
SWT 100 ms
VBW 100 kHz
Mode Auto Sweep
Count 30/30
TDF
1Av View
M1[1]
-26.91 dBm
1.75500000 GHz
10 dBm
0 dBm
-10 dBm
D1 -13.000 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
CF 1.755 GHz
601 pts
Span 2.0 MHz
Date: 5.NOV.2021 16:16:07

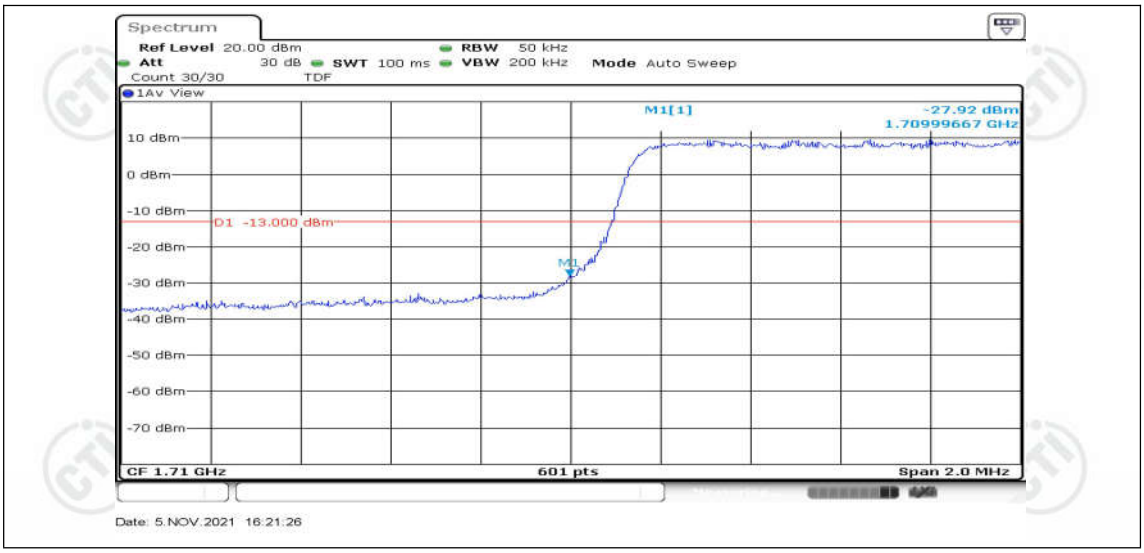
Band4-3MHz-QPSK-19965-1RB#0



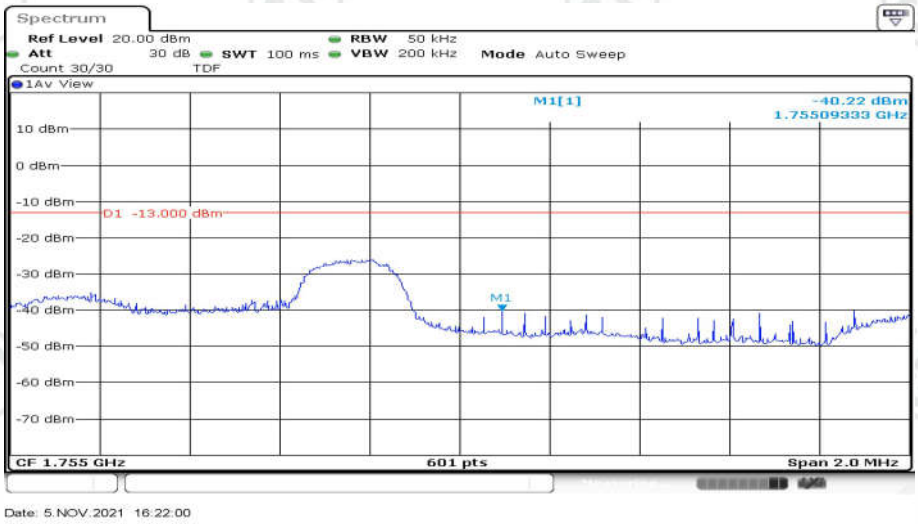
Band4-3MHz-QPSK-19965-1RB#14



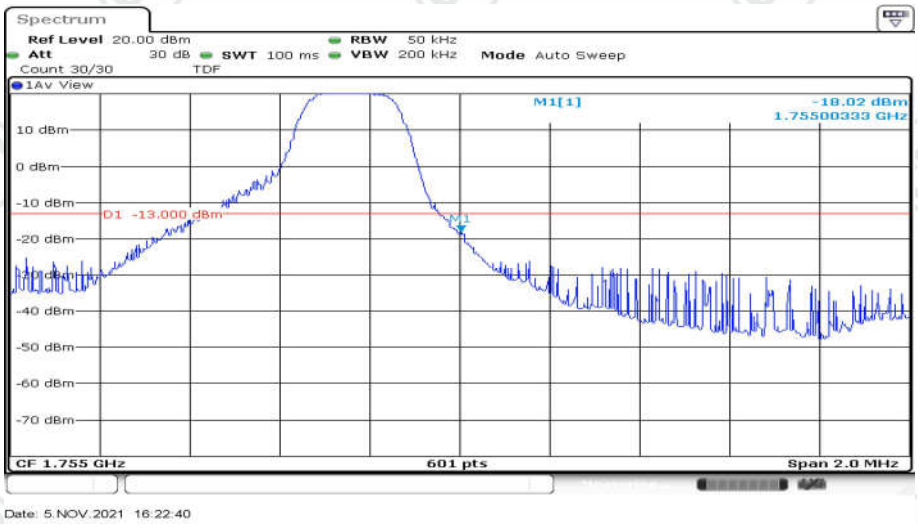
Band4-3MHz-QPSK-19965-15RB#0


Spectrum
Ref Level 20.00 dBm
RBW 50 kHz
Att 30 dB
SWT 100 ms
VBW 200 kHz
Mode Auto Sweep
Count 30/30
TDF
1Av View
M1[1]
-27.92 dBm
1.70999667 GHz
10 dBm
0 dBm
-10 dBm
D1 -13.000 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
CF 1.71 GHz
601 pts
Span 2.0 MHz
Date: 5.NOV.2021 16:21:26

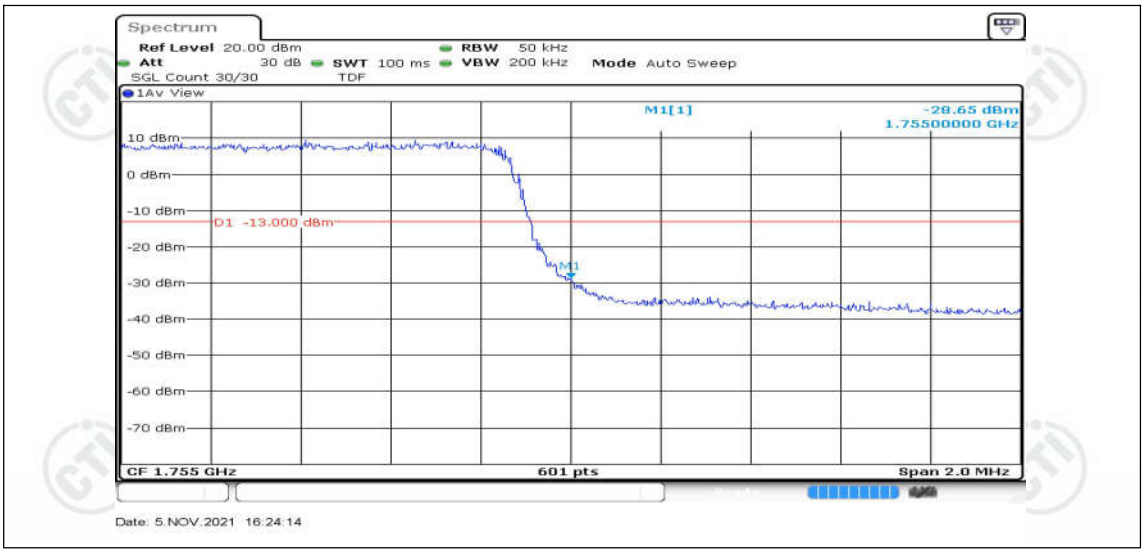
Band4-3MHz-QPSK-20385-1RB#0



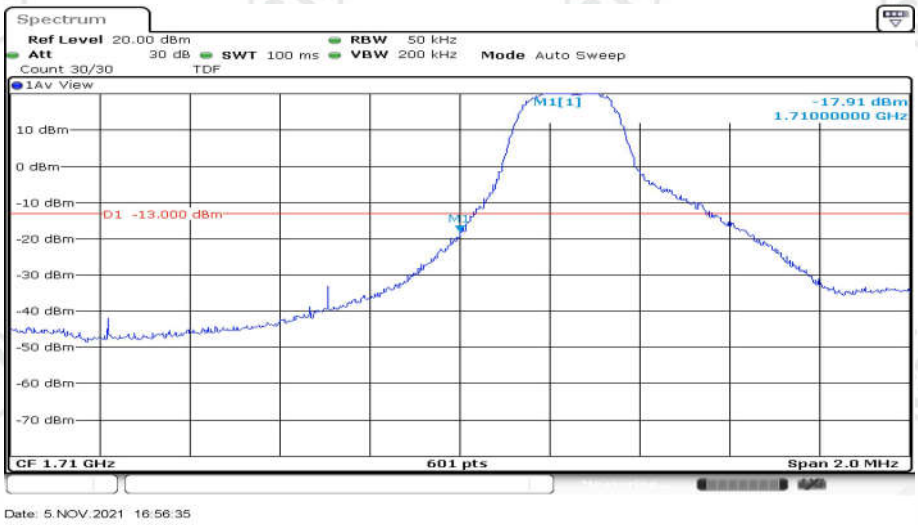
Band4-3MHz-QPSK-20385-1RB#14



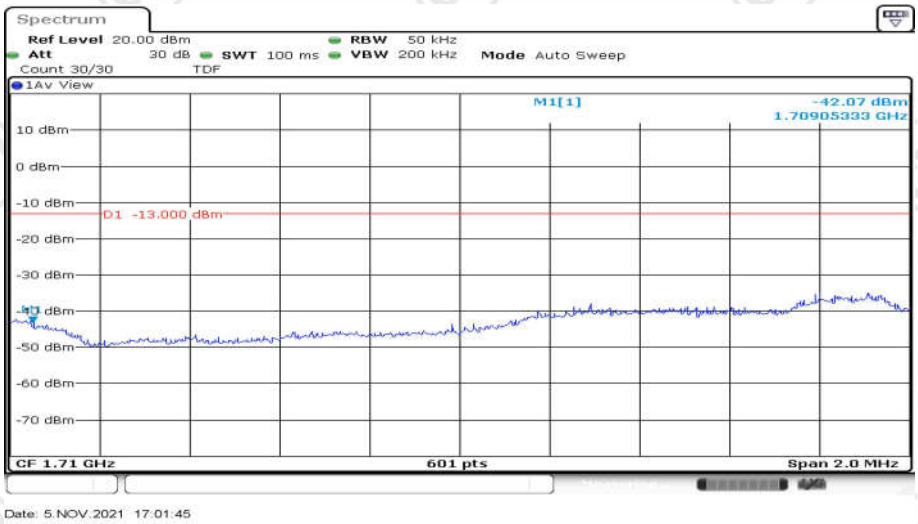
Band4-3MHz-QPSK-20385-15RB#0


Spectrum
Ref Level 20.00 dBm
RBW 50 kHz
Att 30 dB
SWT 100 ms
VBW 200 kHz
Mode Auto Sweep
SGL Count 30/30
TDF
1Av View
M1[1]
-29.65 dBm
1.75500000 GHz
10 dBm
0 dBm
-10 dBm
D1 -13.000 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
M1
CF 1.755 GHz
601 pts
Span 2.0 MHz
Date: 5.NOV.2021 16:24:14

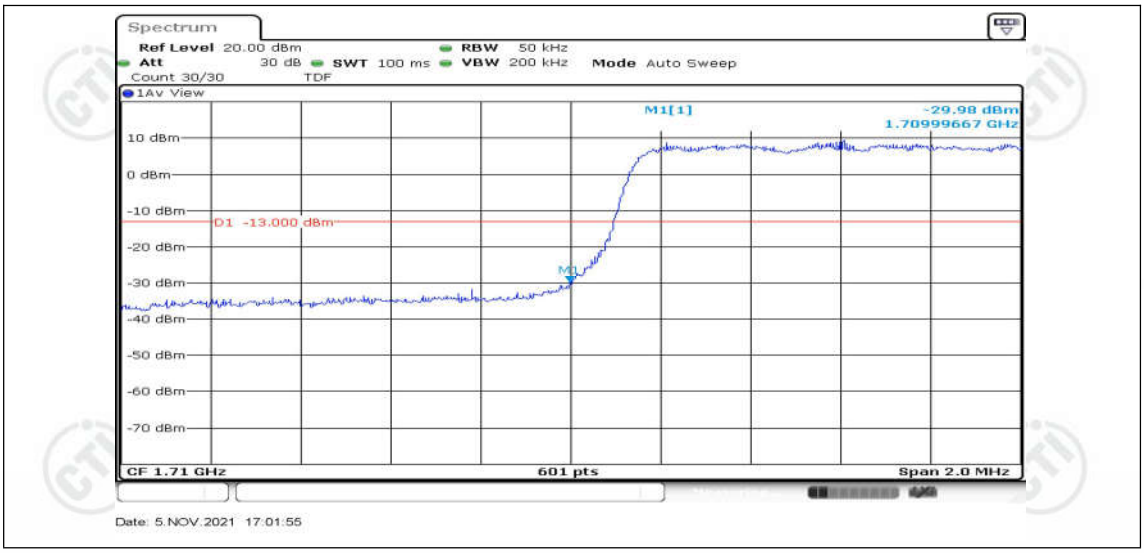
Band4-3MHz-16QAM-19965-1RB#0



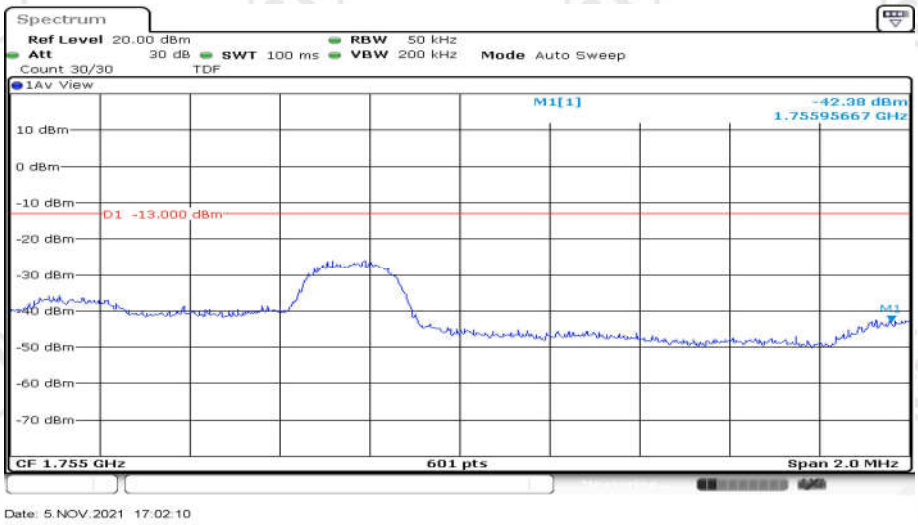
Band4-3MHz-16QAM-19965-1RB#14



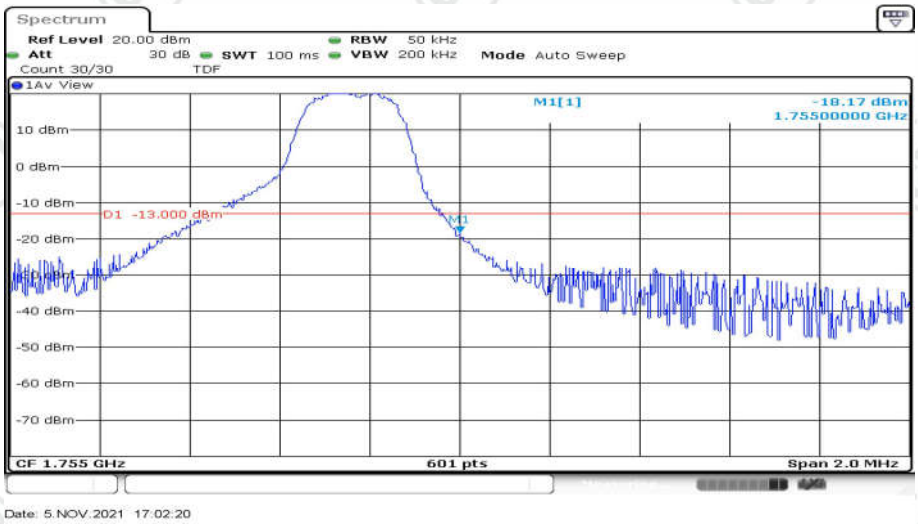
Band4-3MHz-16QAM-19965-15RB#0


Spectrum
Ref Level 20.00 dBm
RBW 50 kHz
Att 30 dB
SWT 100 ms
VBW 200 kHz
Mode Auto Sweep
Count 30/30
TDF
1Av View
M1[1]
-29.98 dBm
1.70999667 GHz
10 dBm
0 dBm
-10 dBm
D1 -13.000 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
CF 1.71 GHz
601 pts
Span 2.0 MHz
Date: 5.NOV.2021 17:01:55

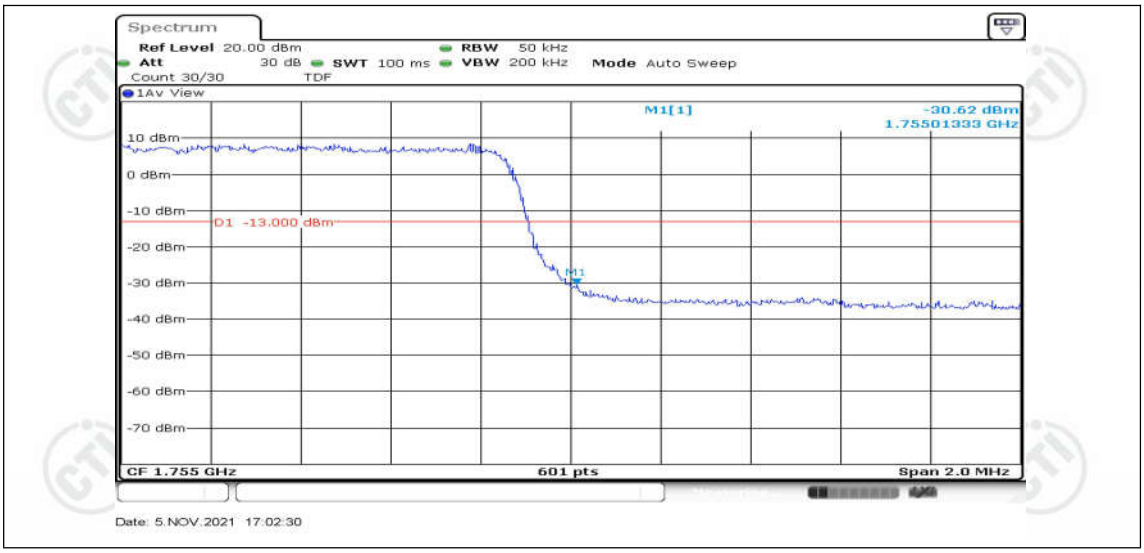
Band4-3MHz-16QAM-20385-1RB#0



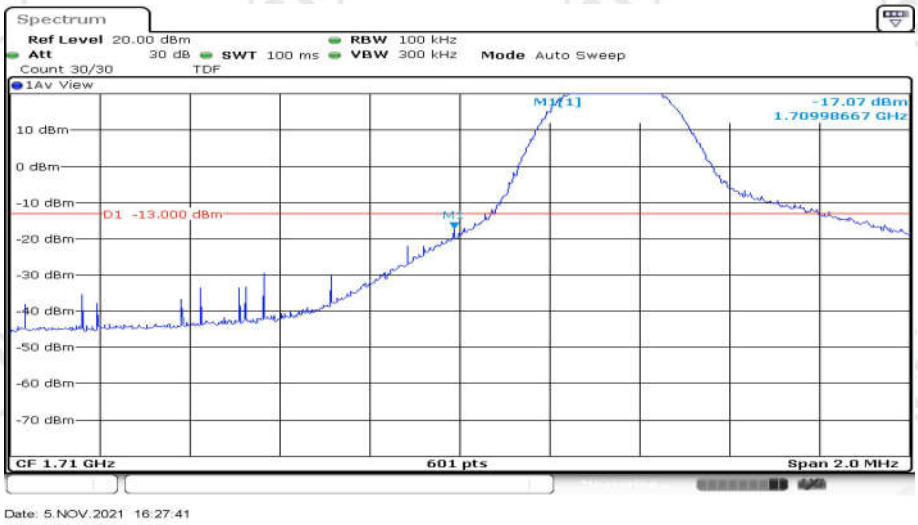
Band4-3MHz-16QAM-20385-1RB#14



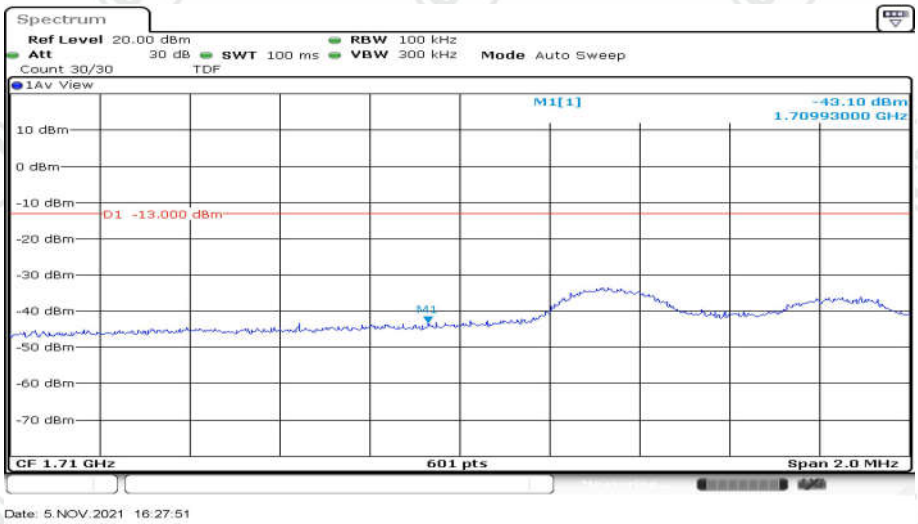
Band4-3MHz-16QAM-20385-15RB#0


Spectrum
Ref Level 20.00 dBm
RBW 50 kHz
Att 30 dB
SWT 100 ms
VBW 200 kHz
Mode Auto Sweep
Count 30/30
TDF
1Av View
M1[1]
-30.62 dBm
1.75501333 GHz
10 dBm
0 dBm
-10 dBm
D1 -13.000 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
M1
CF 1.755 GHz
601 pts
Span 2.0 MHz
Date: 5.NOV.2021 17:02:30

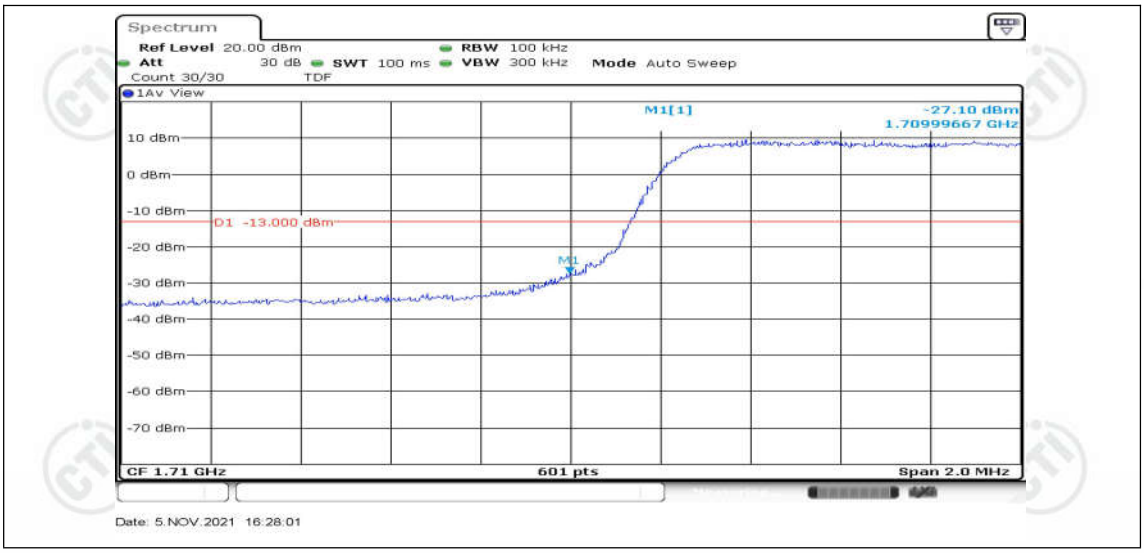
Band4-5MHz-QPSK-19975-1RB#0



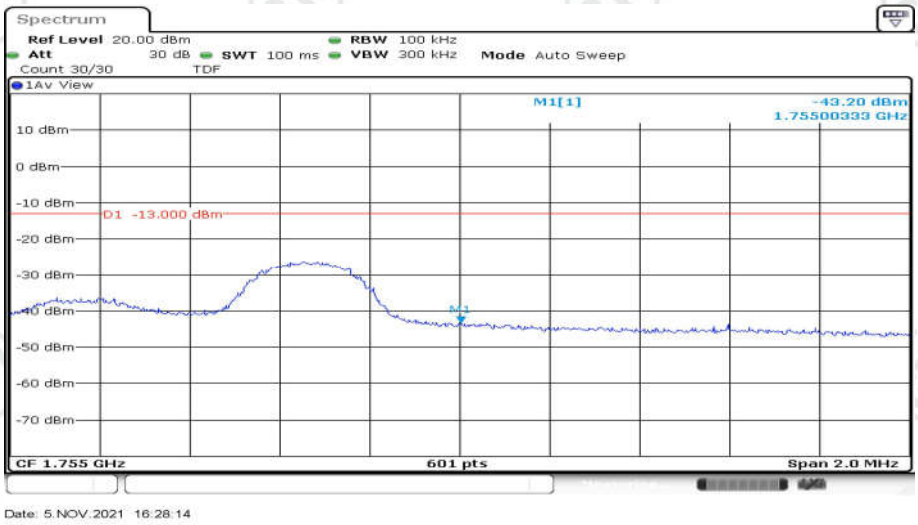
Band4-5MHz-QPSK-19975-1RB#24



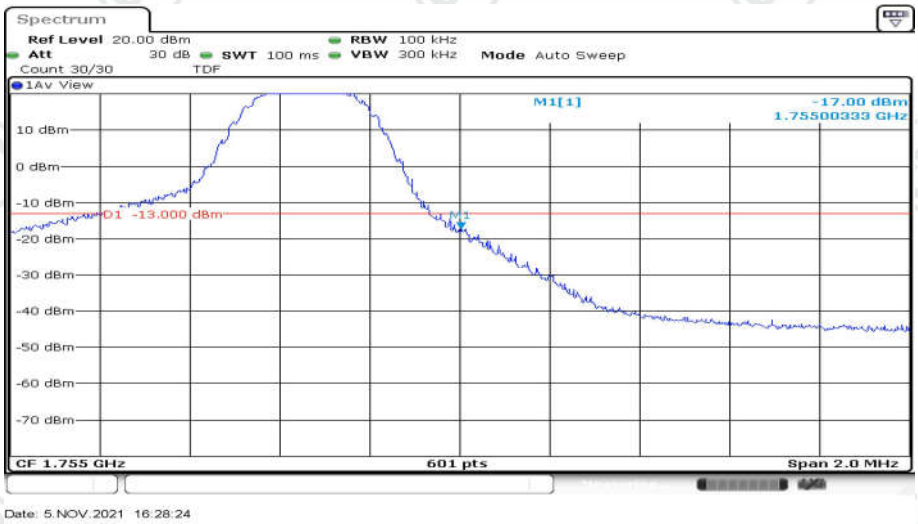
Band4-5MHz-QPSK-19975-25RB#0


Spectrum
Ref Level 20.00 dBm
RBW 100 kHz
Att 30 dB
SWT 100 ms
VBW 300 kHz
Mode Auto Sweep
Count 30/30
TDF
1Av View
M1[1]
-27.10 dBm
1.70999667 GHz
10 dBm
0 dBm
-10 dBm
D1 -13.000 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
CF 1.71 GHz
601 pts
Span 2.0 MHz
Date: 5.NOV.2021 16:28:01

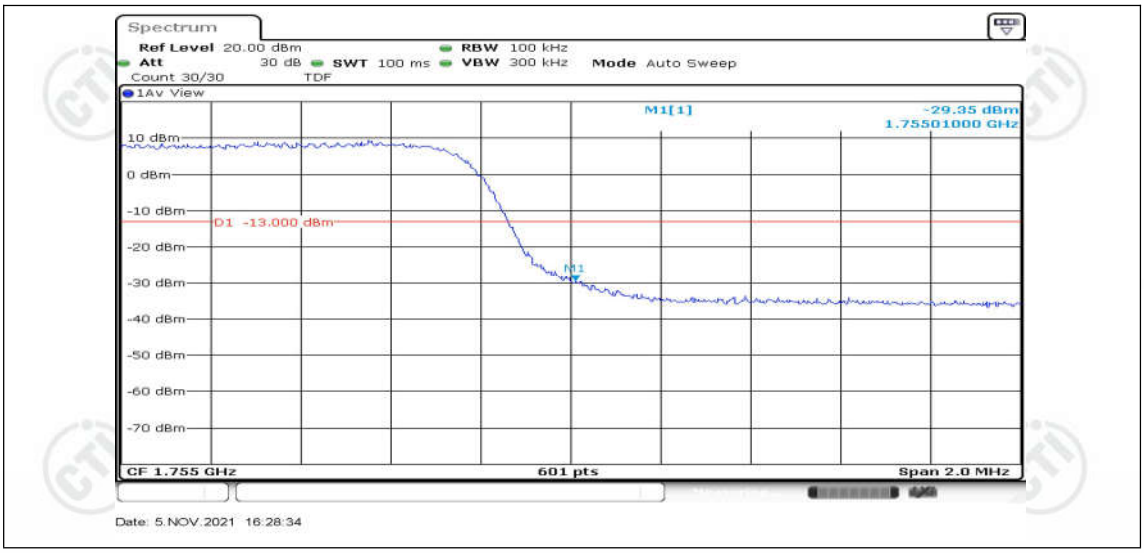
Band4-5MHz-QPSK-20375-1RB#0



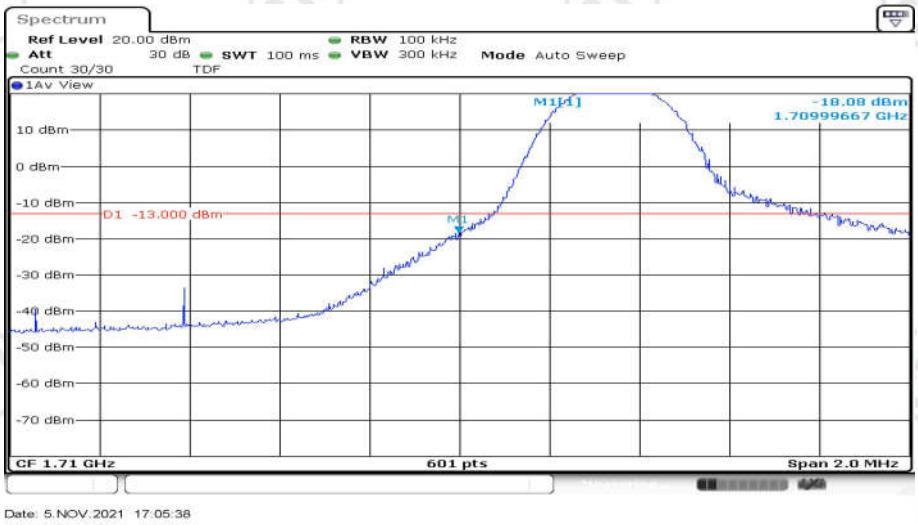
Band4-5MHz-QPSK-20375-1RB#24



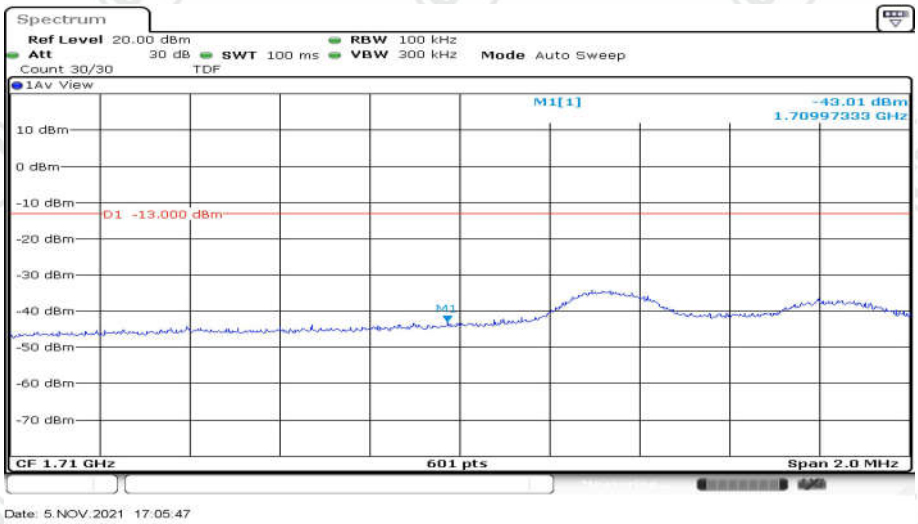
Band4-5MHz-QPSK-20375-25RB#0


Spectrum
Ref Level 20.00 dBm
RBW 100 kHz
Att 30 dB
SWT 100 ms
VBW 300 kHz
Mode Auto Sweep
Count 30/30
TDF
1Av View
M1[1]
-29.35 dBm
1.75501000 GHz
10 dBm
0 dBm
-10 dBm
D1 -13.000 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
M1
CF 1.755 GHz
601 pts
Span 2.0 MHz
Date: 5.NOV.2021 16:28:34

Band4-5MHz-16QAM-19975-1RB#0



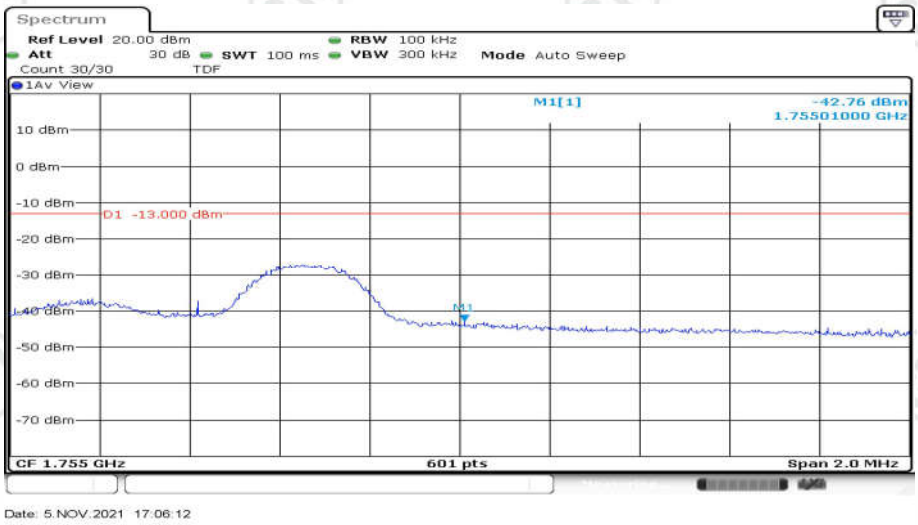
Band4-5MHz-16QAM-19975-1RB#24



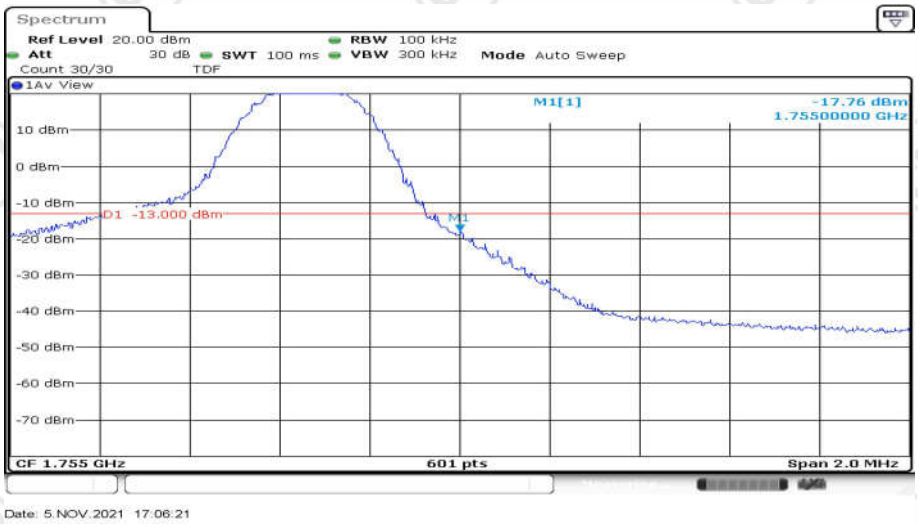
Band4-5MHz-16QAM-19975-25RB#0

Spectrum
Ref Level 20.00 dBm
RBW 100 kHz
Att 30 dB
SWT 100 ms
VBW 300 kHz
Mode Auto Sweep
Count 30/30
TDF
1Av View
M1[1]
-29.37 dBm
1.70998667 GHz
10 dBm
0 dBm
-10 dBm
D1 -13.000 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
CF 1.71 GHz
601 pts
Span 2.0 MHz
Date: 5.NOV.2021 17:05:57

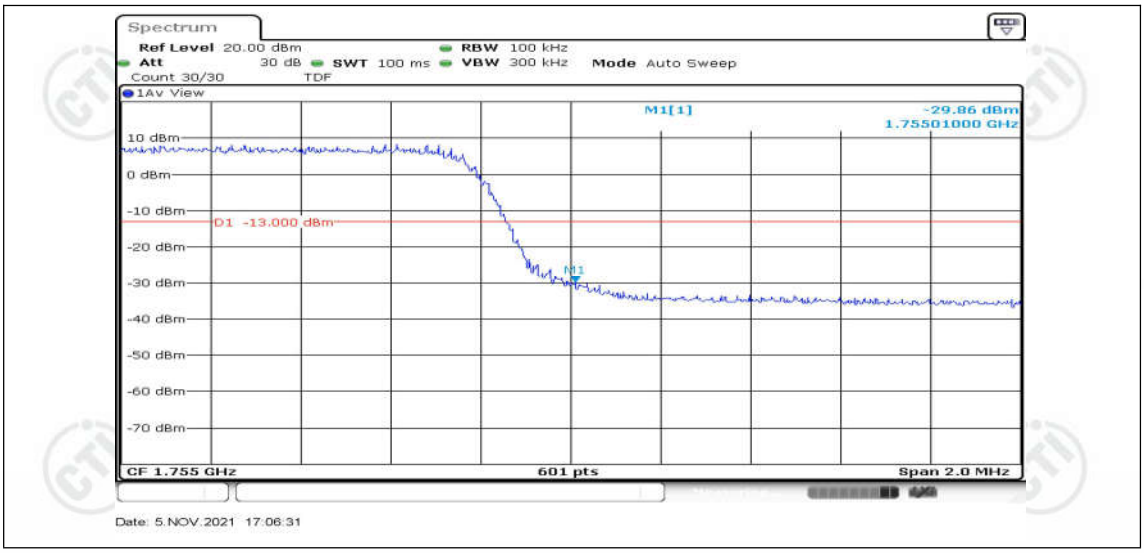
Band4-5MHz-16QAM-20375-1RB#0



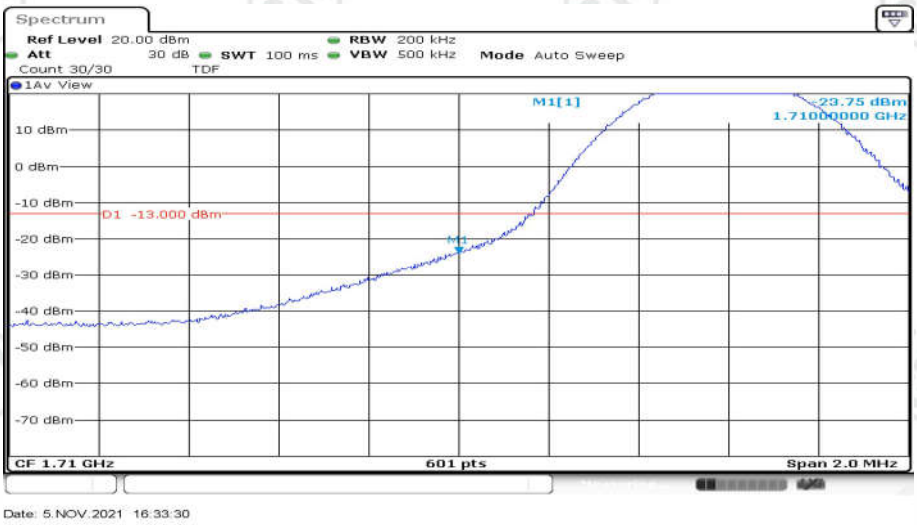
Band4-5MHz-16QAM-20375-1RB#24



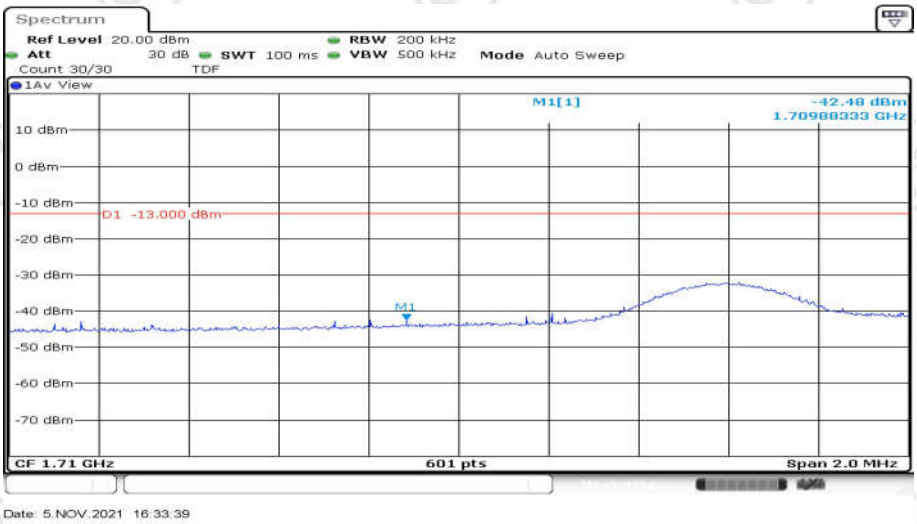
Band4-5MHz-16QAM-20375-25RB#0


Spectrum
Ref Level 20.00 dBm
RBW 100 kHz
Att 30 dB
SWT 100 ms
VBW 300 kHz
Mode Auto Sweep
Count 30/30
TDF
1Av View
M1[1]
-29.86 dBm
1.75501000 GHz
10 dBm
0 dBm
-10 dBm
D1 -13.000 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
M1
CF 1.755 GHz
601 pts
Span 2.0 MHz
Date: 5.NOV.2021 17:06:31

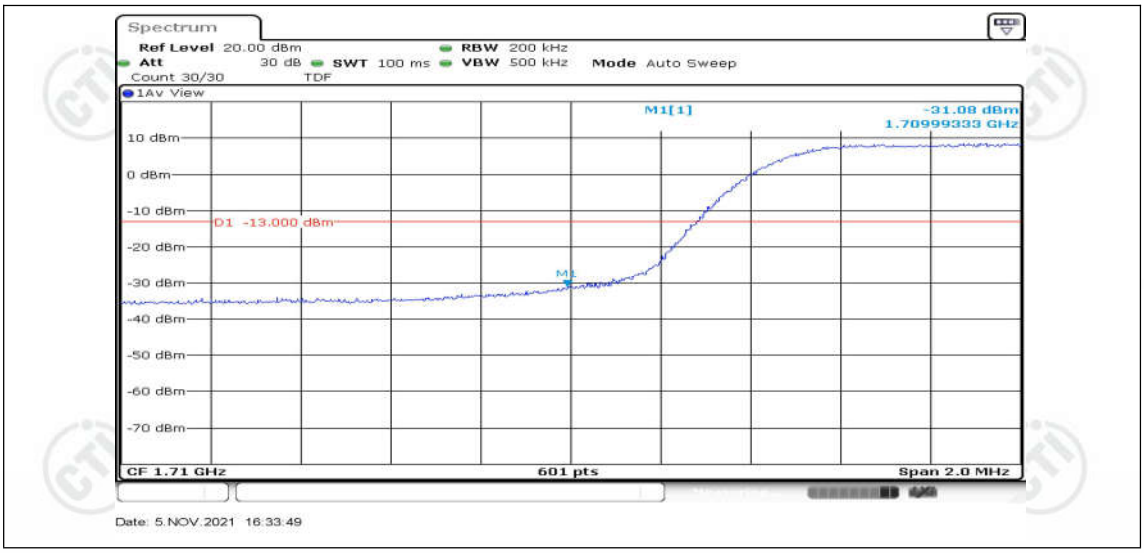
Band4-10MHz-QPSK-20000-1RB#0



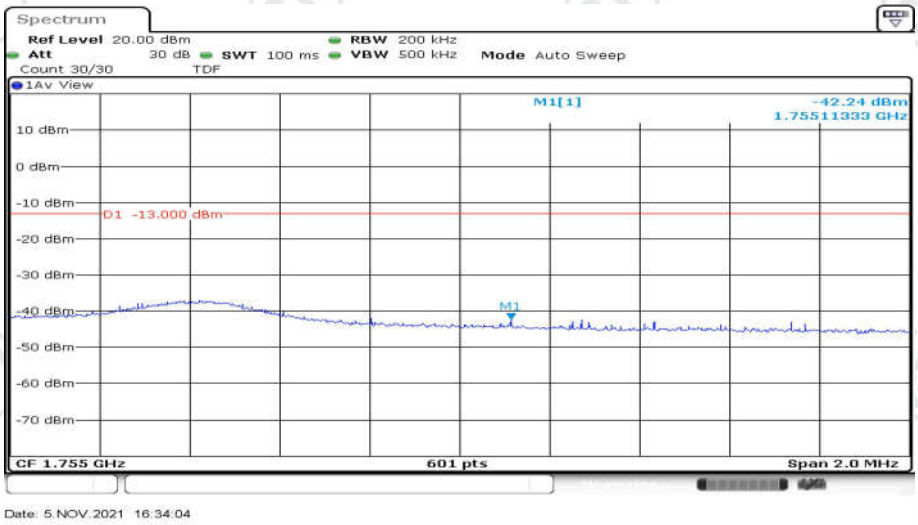
Band4-10MHz-QPSK-20000-1RB#49



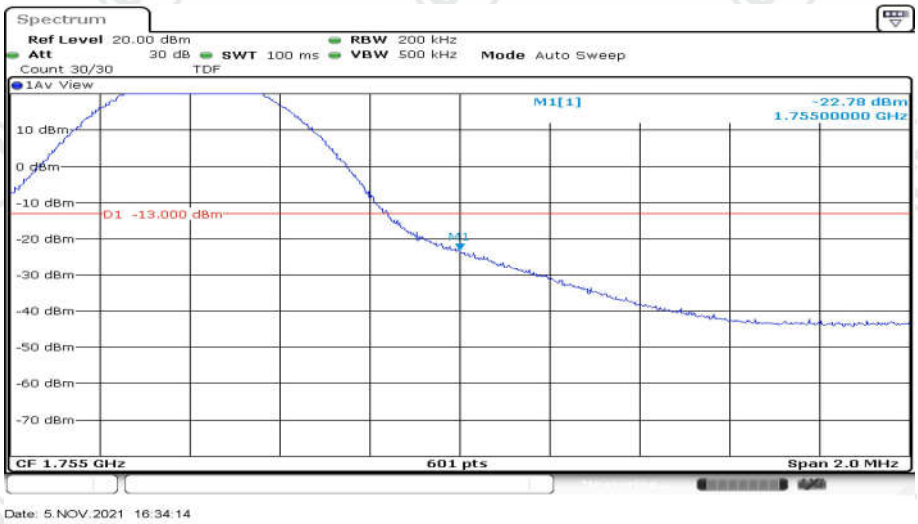
Band4-10MHz-QPSK-20000-50RB#0


Spectrum
Ref Level 20.00 dBm
RBW 200 kHz
Att 30 dB
SWT 100 ms
VBW 500 kHz
Mode Auto Sweep
Count 30/30
TDF
1Av View
M1[1]
-31.08 dBm
1.70999333 GHz
10 dBm
0 dBm
-10 dBm
D1 -13.000 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
CF 1.71 GHz
601 pts
Span 2.0 MHz
Date: 5.NOV.2021 16:33:49

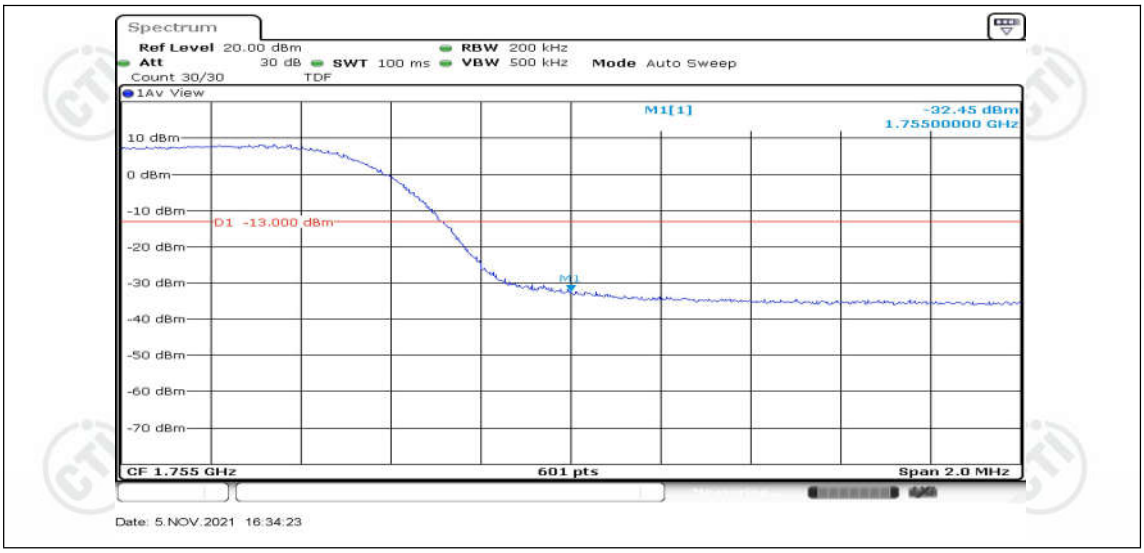
Band4-10MHz-QPSK-20350-1RB#0



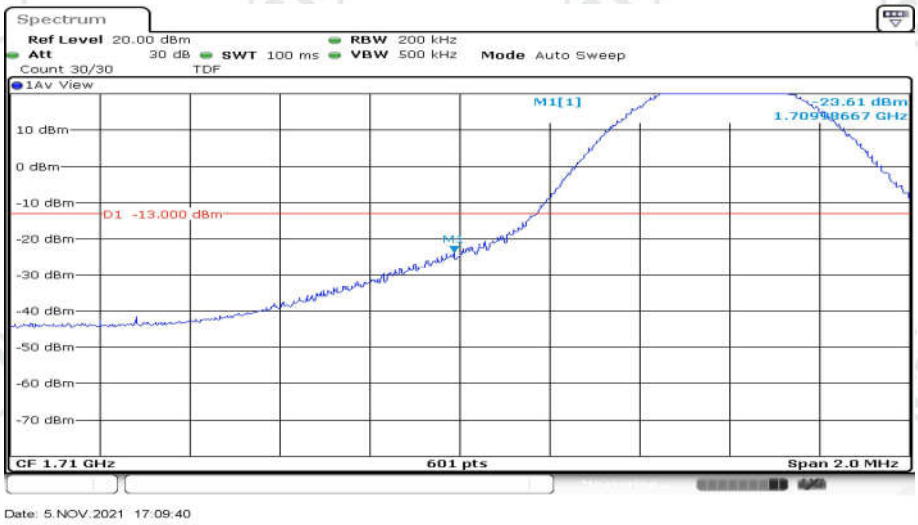
Band4-10MHz-QPSK-20350-1RB#49



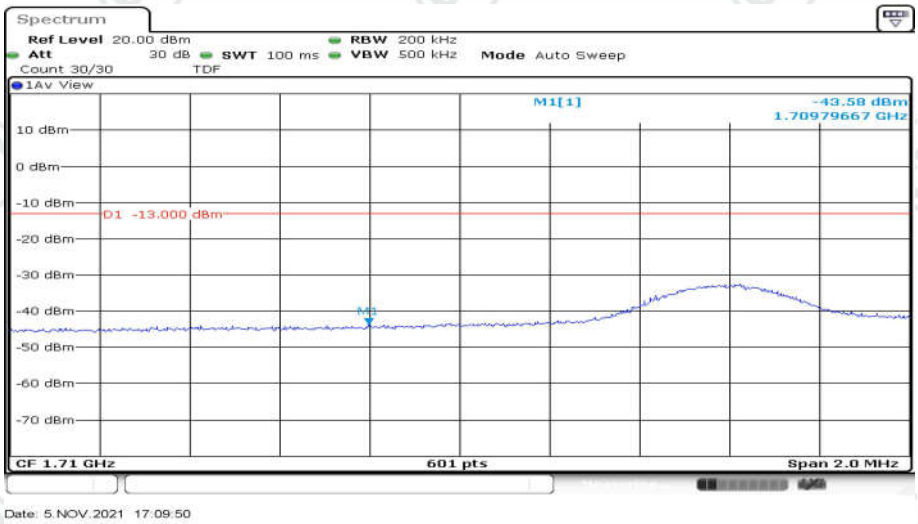
Band4-10MHz-QPSK-20350-50RB#0


Spectrum
Ref Level 20.00 dBm
RBW 200 kHz
Att 30 dB
SWT 100 ms
VBW 500 kHz
Mode Auto Sweep
Count 30/30
TDF
1Av View
M1[1]
-32.45 dBm
1.75500000 GHz
10 dBm
0 dBm
-10 dBm
D1 -13.000 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
CF 1.755 GHz
601 pts
Span 2.0 MHz
Date: 5.NOV.2021 16:34:23

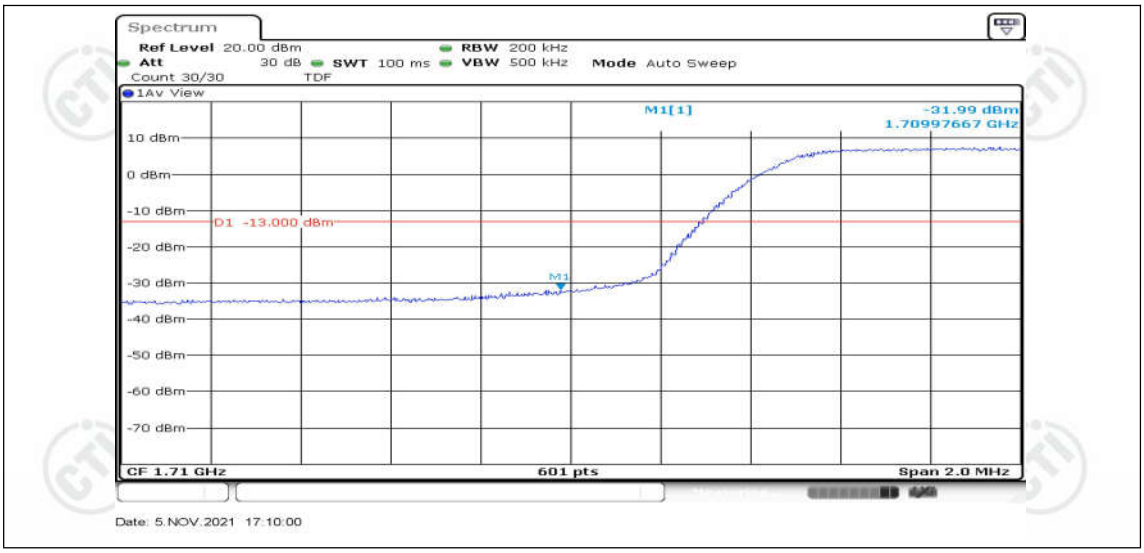
Band4-10MHz-16QAM-20000-1RB#0



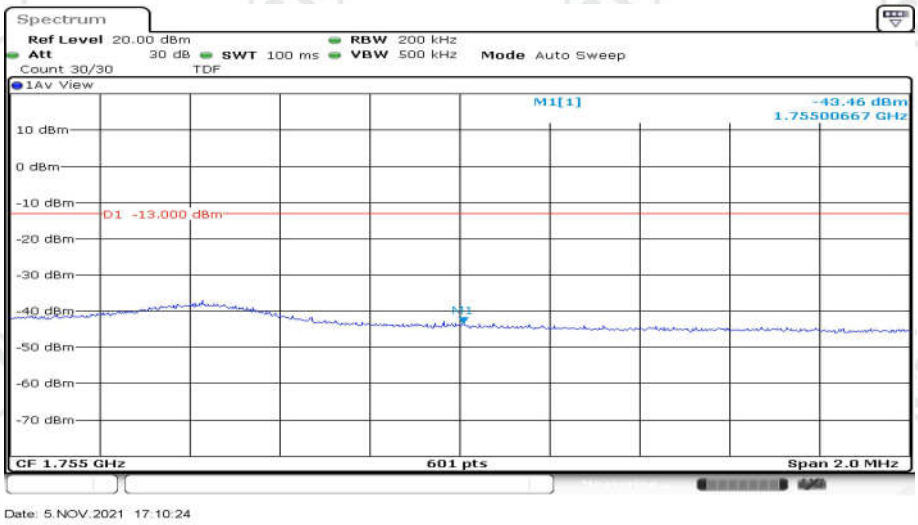
Band4-10MHz-16QAM-20000-1RB#49



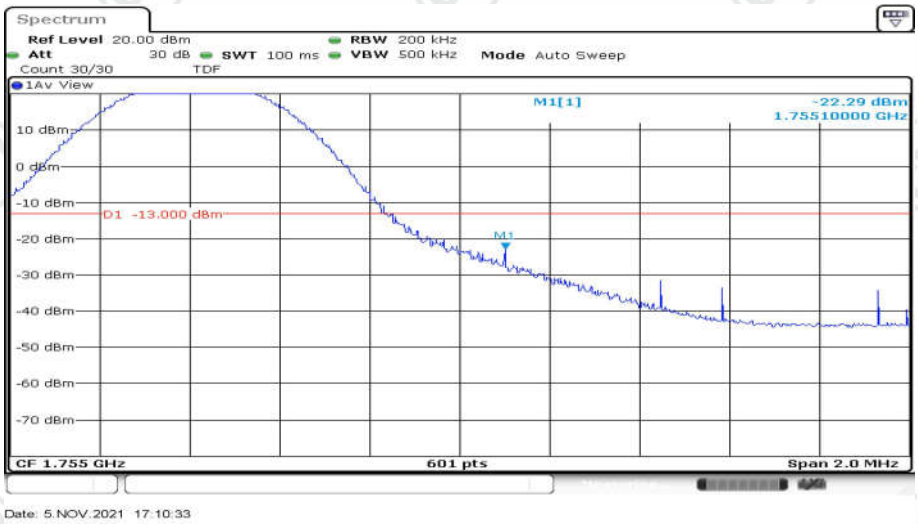
Band4-10MHz-16QAM-20000-50RB#0


Spectrum
Ref Level 20.00 dBm
RBW 200 kHz
Att 30 dB
SWT 100 ms
VBW 500 kHz
Mode Auto Sweep
Count 30/30
TDF
1Av View
M1[1]
-31.99 dBm
1.70997667 GHz
10 dBm
0 dBm
-10 dBm
D1 -13.000 dBm
-20 dBm
-30 dBm
M1
-40 dBm
-50 dBm
-60 dBm
-70 dBm
CF 1.71 GHz
601 pts
Span 2.0 MHz
Date: 5.NOV.2021 17:10:00

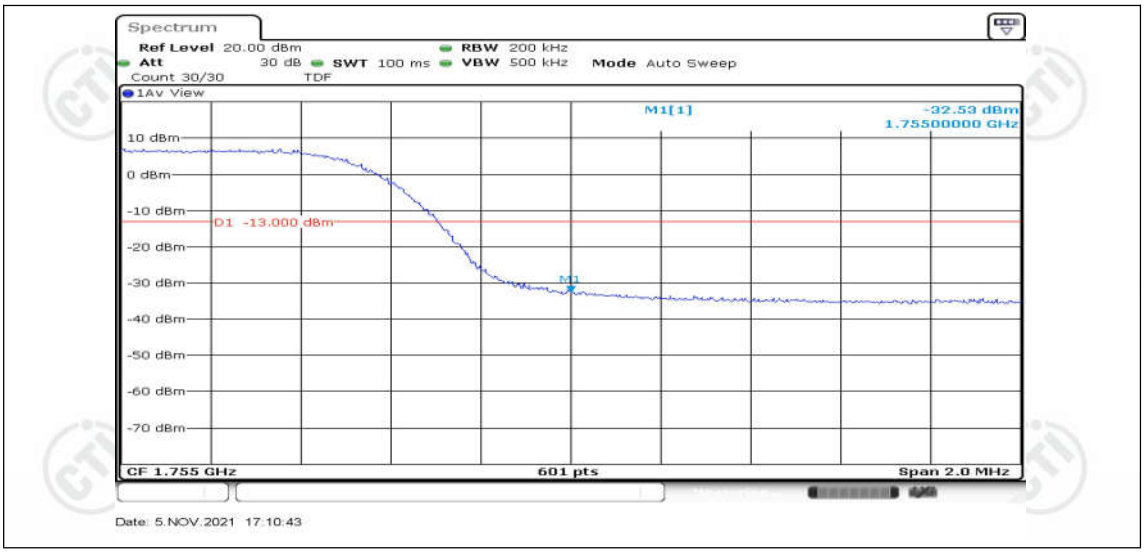
Band4-10MHz-16QAM-20350-1RB#0



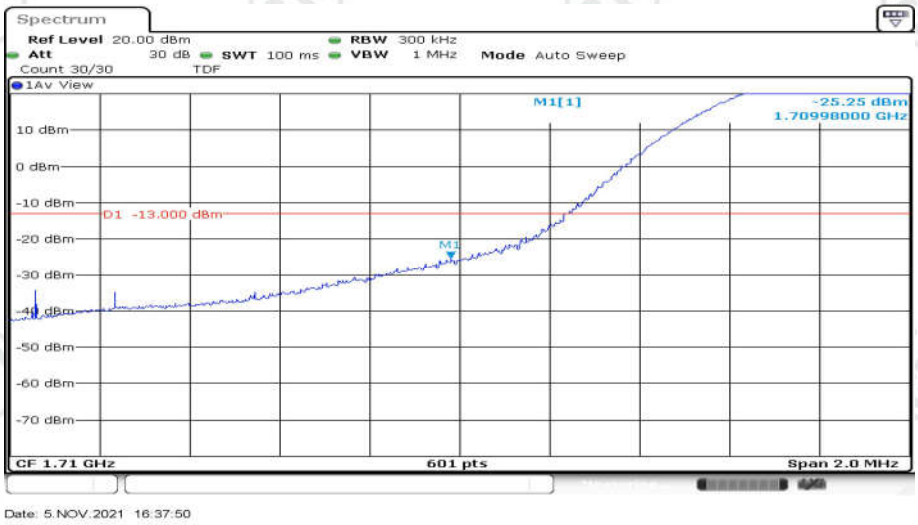
Band4-10MHz-16QAM-20350-1RB#49



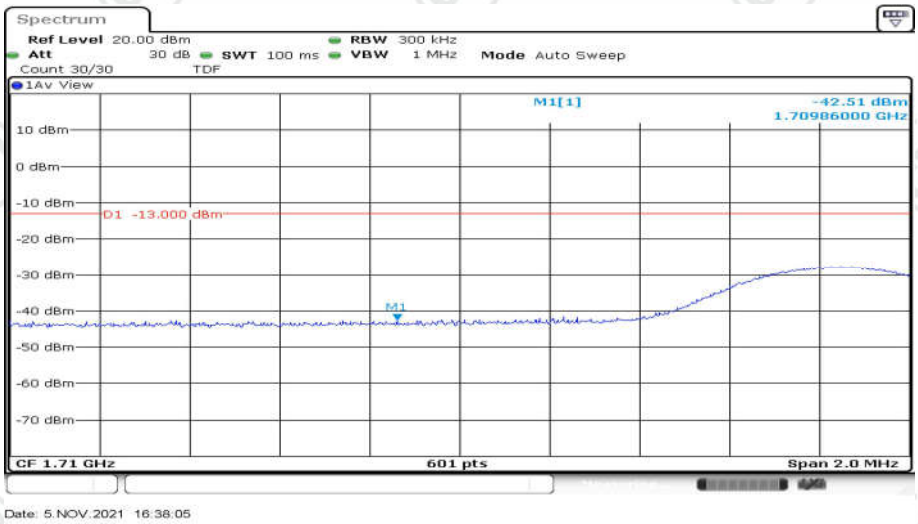
Band4-10MHz-16QAM-20350-50RB#0


Spectrum
Ref Level 20.00 dBm
RBW 200 kHz
Att 30 dB
SWT 100 ms
VBW 500 kHz
Mode Auto Sweep
Count 30/30
TDF
1Av View
M1[1]
-32.53 dBm
1.75500000 GHz
10 dBm
0 dBm
-10 dBm
D1 -13.000 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
M1
CF 1.755 GHz
601 pts
Span 2.0 MHz
Date: 5.NOV.2021 17:10:43

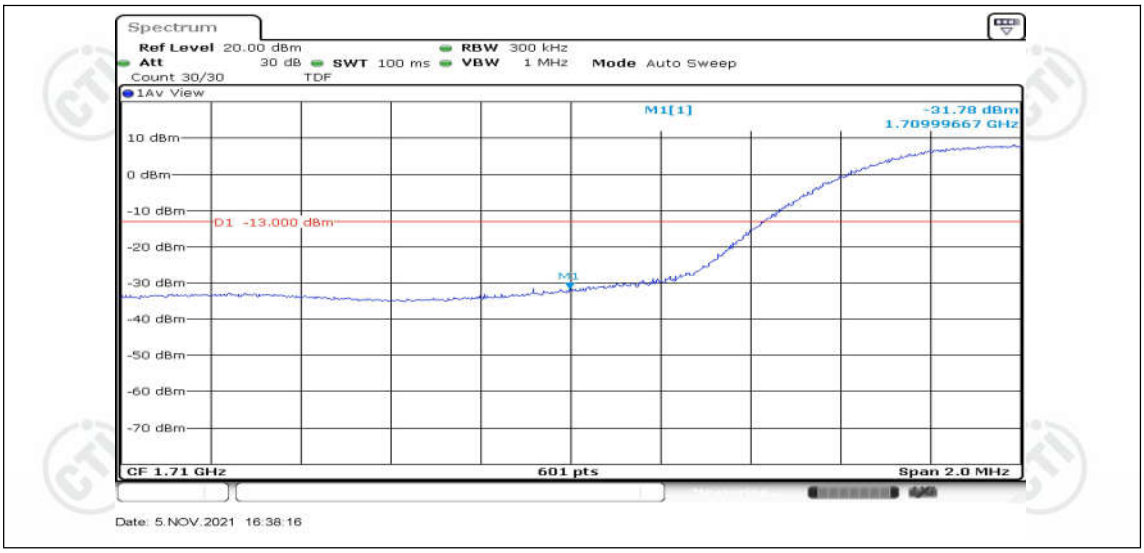
Band4-15MHz-QPSK-20025-1RB#0



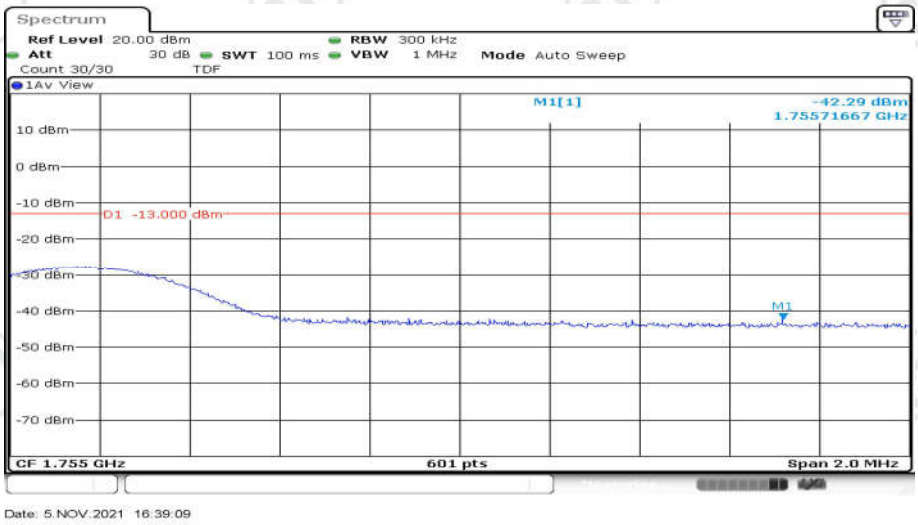
Band4-15MHz-QPSK-20025-1RB#74



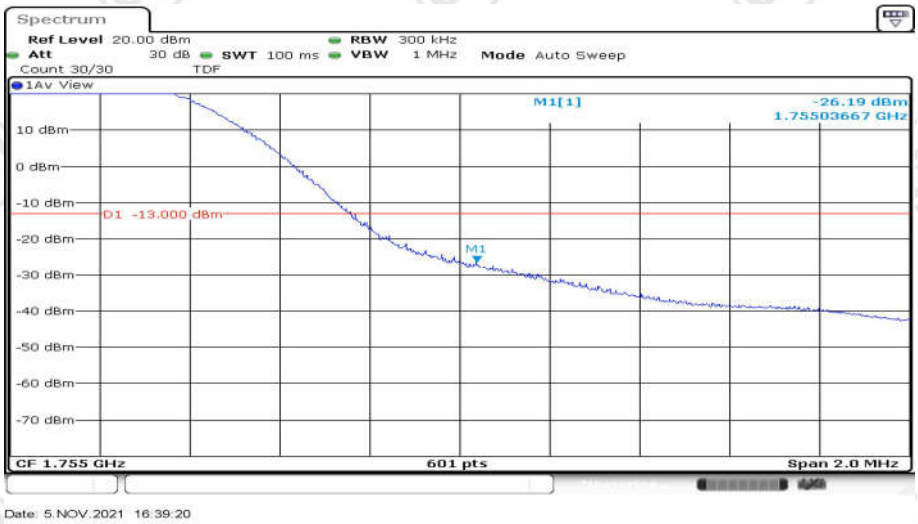
Band4-15MHz-QPSK-20025-75RB#0


Spectrum
Ref Level 20.00 dBm
RBW 300 kHz
Att 30 dB
SWT 100 ms
VBW 1 MHz
Mode Auto Sweep
Count 30/30
TDF
1Av View
M1[1]
-31.78 dBm
1.70999667 GHz
10 dBm
0 dBm
-10 dBm
D1 -13.000 dBm
-20 dBm
-30 dBm
M1
-40 dBm
-50 dBm
-60 dBm
-70 dBm
CF 1.71 GHz
601 pts
Span 2.0 MHz
Date: 5.NOV.2021 16:38:16

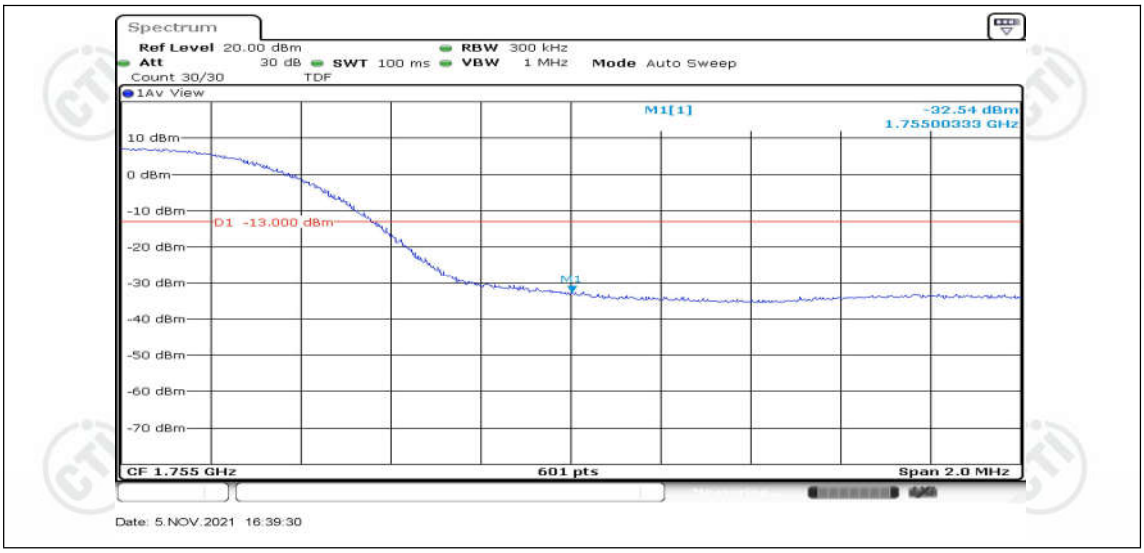
Band4-15MHz-QPSK-20325-1RB#0



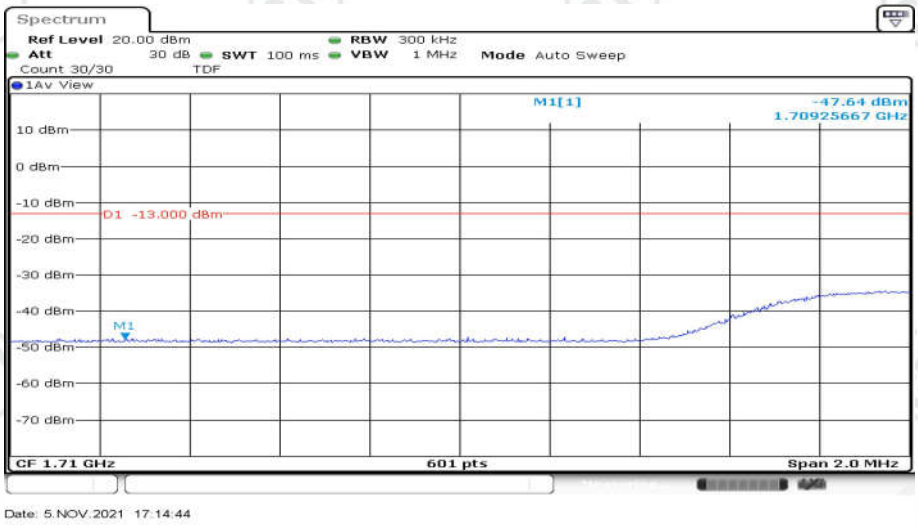
Band4-15MHz-QPSK-20325-1RB#74



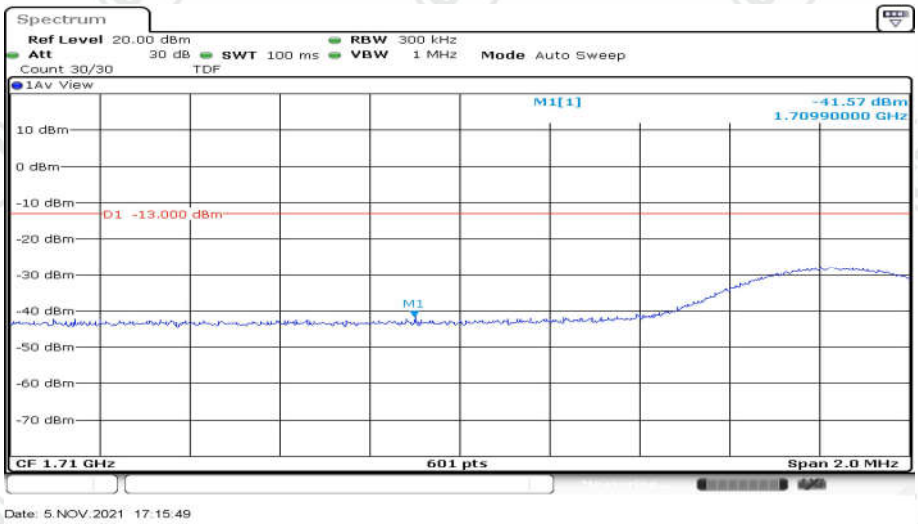
Band4-15MHz-QPSK-20325-75RB#0


Spectrum
Ref Level 20.00 dBm
RBW 300 kHz
Att 30 dB
SWT 100 ms
VBW 1 MHz
Mode Auto Sweep
Count 30/30
TDF
1Av View
M1[1]
-32.54 dBm
1.75500333 GHz
10 dBm
0 dBm
-10 dBm
D1 -13.000 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
CF 1.755 GHz
601 pts
Span 2.0 MHz
Date: 5.NOV.2021 16:39:30

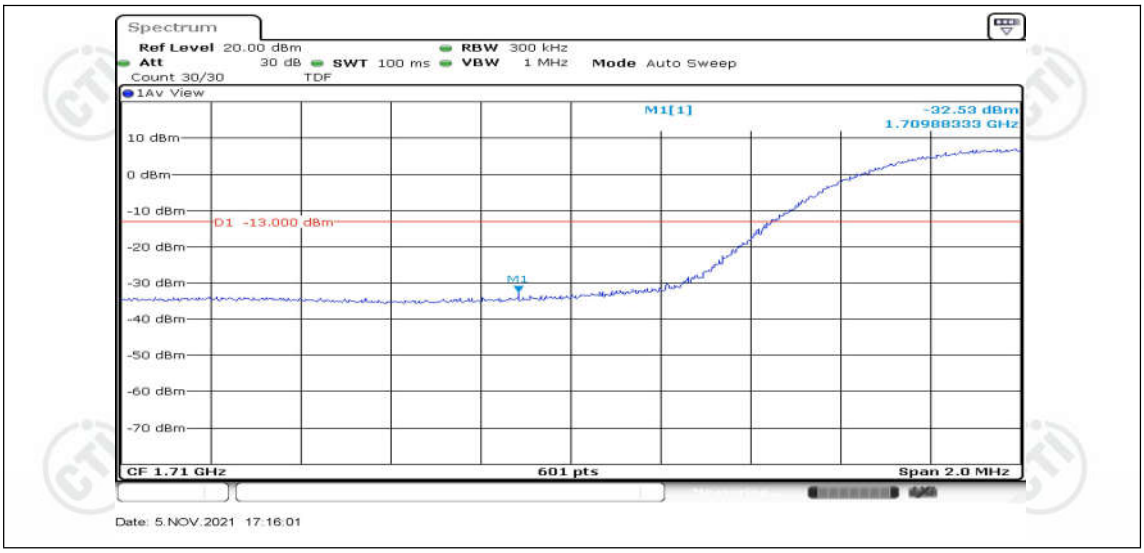
Band4-15MHz-16QAM-20025-1RB#0



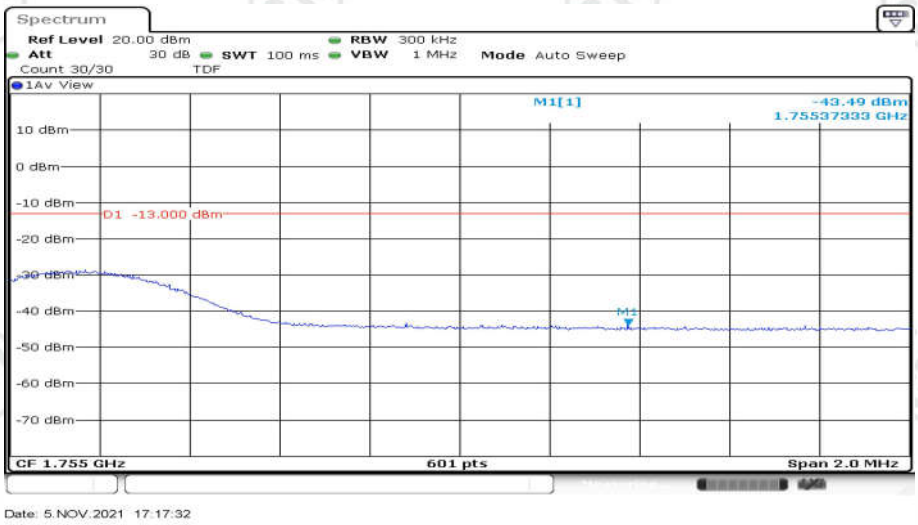
Band4-15MHz-16QAM-20025-1RB#74



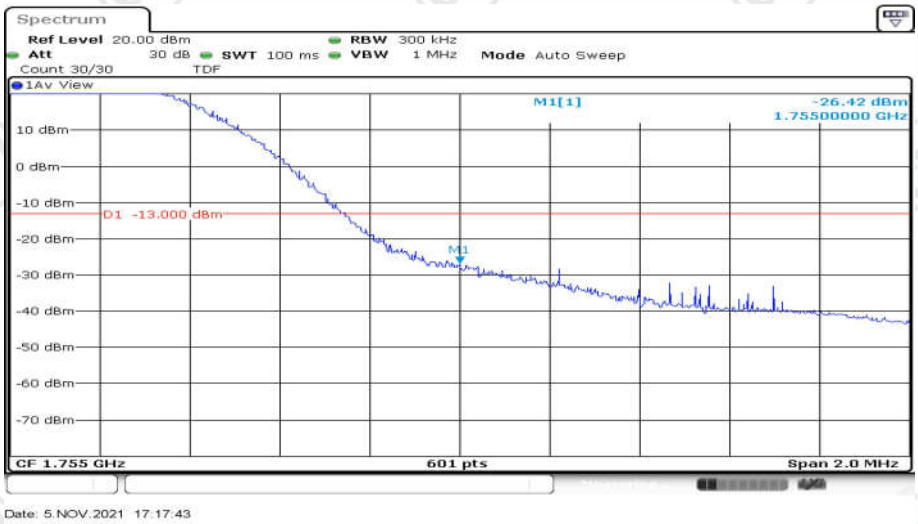
Band4-15MHz-16QAM-20025-75RB#0


Spectrum
Ref Level 20.00 dBm
RBW 300 kHz
Att 30 dB
SWT 100 ms
VBW 1 MHz
Mode Auto Sweep
Count 30/30
TDF
1Av View
M1[1]
-32.53 dBm
1.70988333 GHz
10 dBm
0 dBm
-10 dBm
D1 -13.000 dBm
-20 dBm
-30 dBm
M1
-40 dBm
-50 dBm
-60 dBm
-70 dBm
CF 1.71 GHz
601 pts
Span 2.0 MHz
Date: 5.NOV.2021 17:16:01

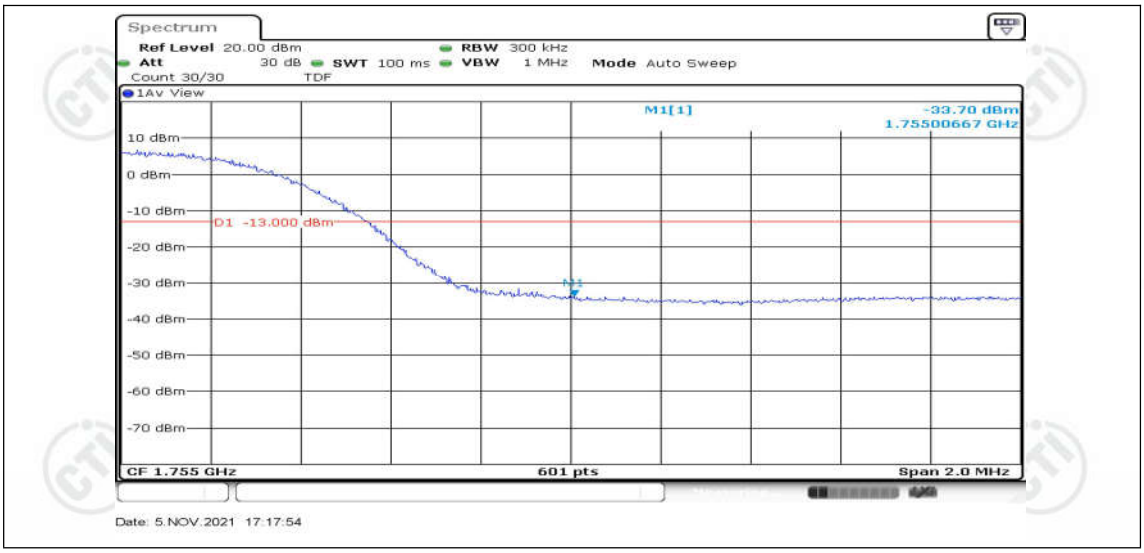
Band4-15MHz-16QAM-20325-1RB#0



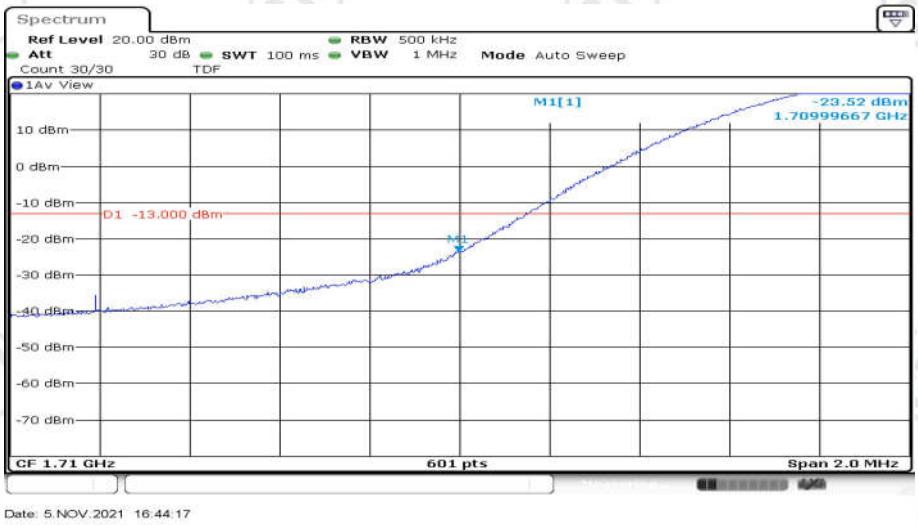
Band4-15MHz-16QAM-20325-1RB#74



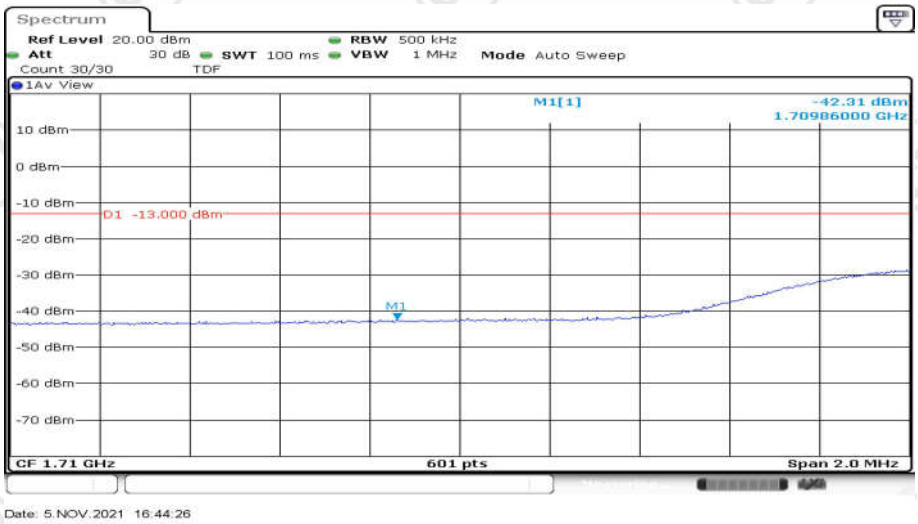
Band4-15MHz-16QAM-20325-75RB#0


Spectrum
Ref Level 20.00 dBm
RBW 300 kHz
Att 30 dB
SWT 100 ms
VBW 1 MHz
Mode Auto Sweep
Count 30/30
TDF
1Av View
M1[1]
-33.70 dBm
1.75500667 GHz
10 dBm
0 dBm
-10 dBm
D1 -13.000 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
CF 1.755 GHz
601 pts
Span 2.0 MHz
Date: 5.NOV.2021 17:17:54

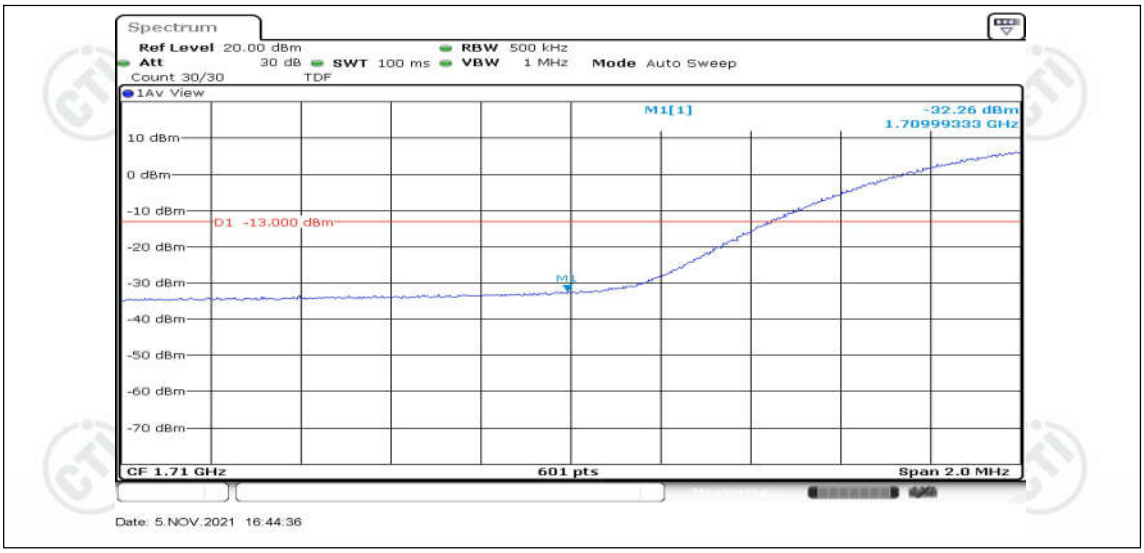
Band4-20MHz-QPSK-20050-1RB#0



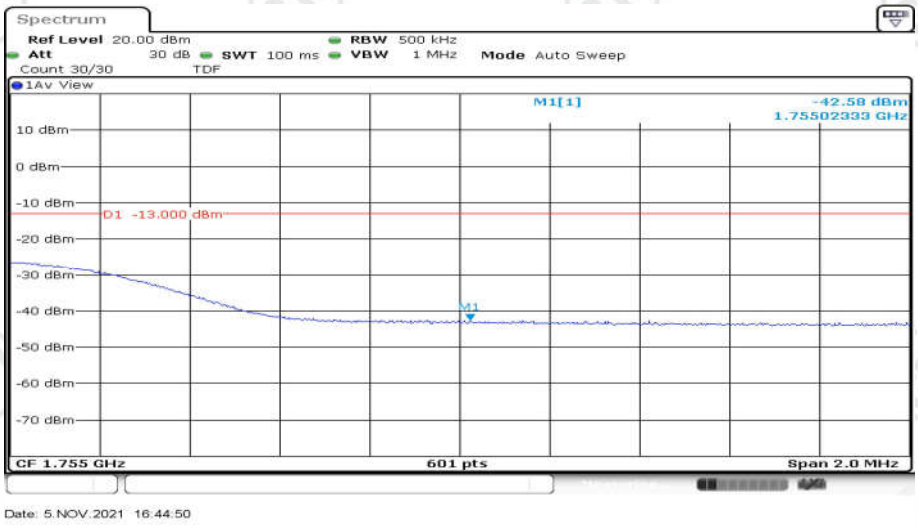
Band4-20MHz-QPSK-20050-1RB#99



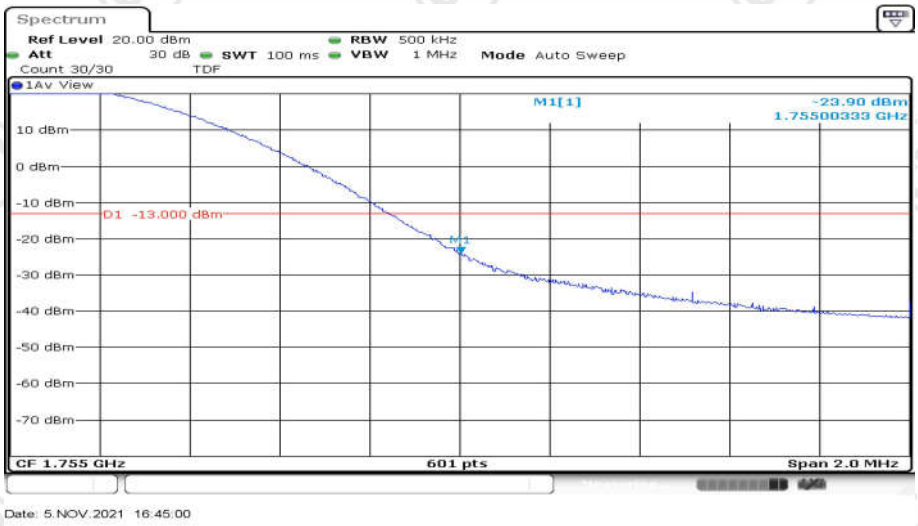
Band4-20MHz-QPSK-20050-100RB#0


Spectrum
Ref Level 20.00 dBm
RBW 500 kHz
Att 30 dB
SWT 100 ms
VBW 1 MHz
Mode Auto Sweep
Count 30/30
TDF
1Av View
M1[1]
-32.26 dBm
1.70999333 GHz
10 dBm
0 dBm
-10 dBm
D1 -13.000 dBm
-20 dBm
-30 dBm
M1
-40 dBm
-50 dBm
-60 dBm
-70 dBm
CF 1.71 GHz
601 pts
Span 2.0 MHz
Date: 5.NOV.2021 16:44:36

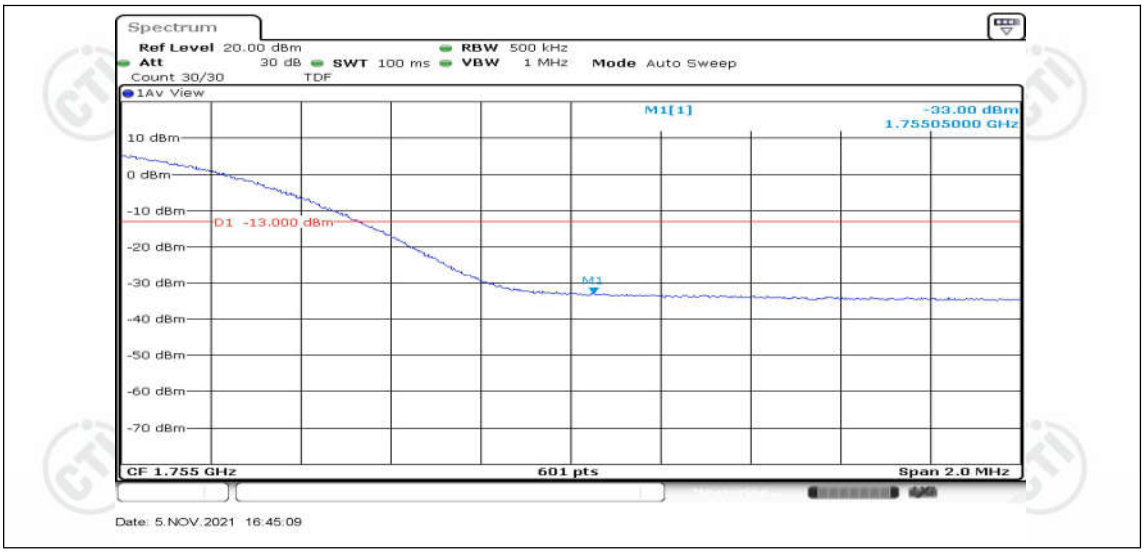
Band4-20MHz-QPSK-20300-1RB#0



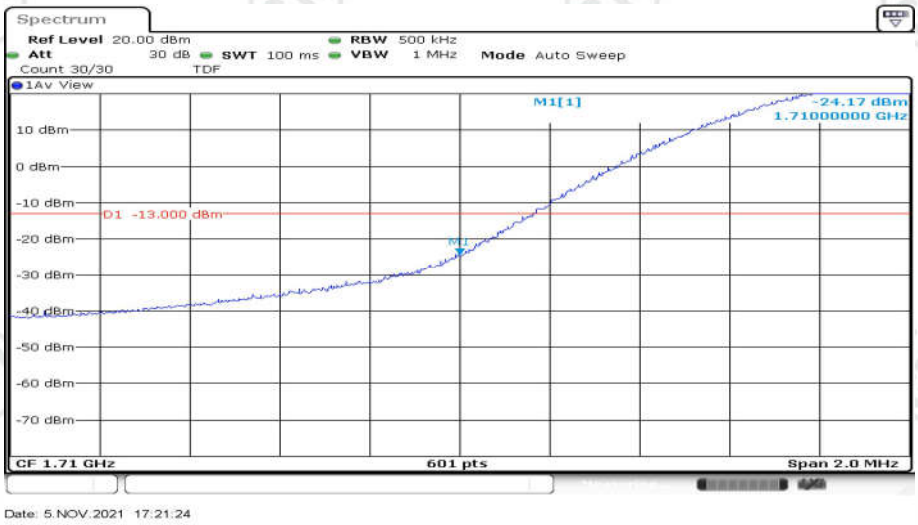
Band4-20MHz-QPSK-20300-1RB#99



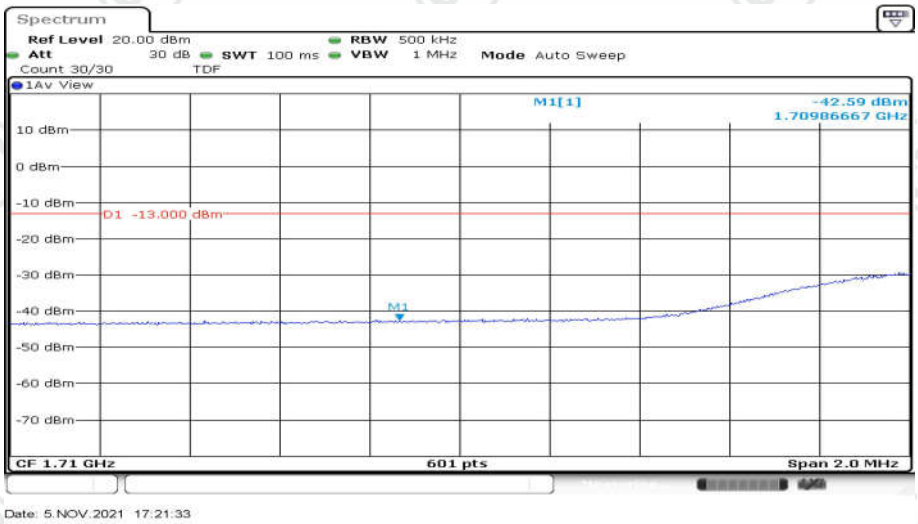
Band4-20MHz-QPSK-20300-100RB#0


Spectrum
Ref Level 20.00 dBm
RBW 500 kHz
Att 30 dB
SWT 100 ms
VBW 1 MHz
Mode Auto Sweep
Count 30/30
TDF
1Av View
M1[1]
-33.00 dBm
1.75505000 GHz
10 dBm
0 dBm
-10 dBm
D1 -13.000 dBm
-20 dBm
-30 dBm
M1
-40 dBm
-50 dBm
-60 dBm
-70 dBm
CF 1.755 GHz
601 pts
Span 2.0 MHz
Date: 5.NOV.2021 16:45:09

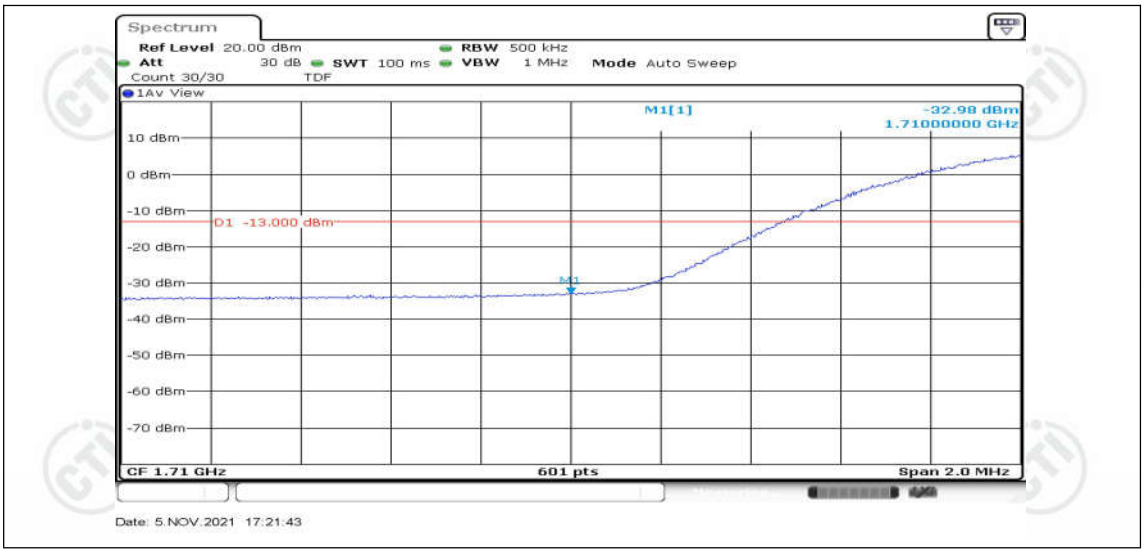
Band4-20MHz-16QAM-20050-1RB#0



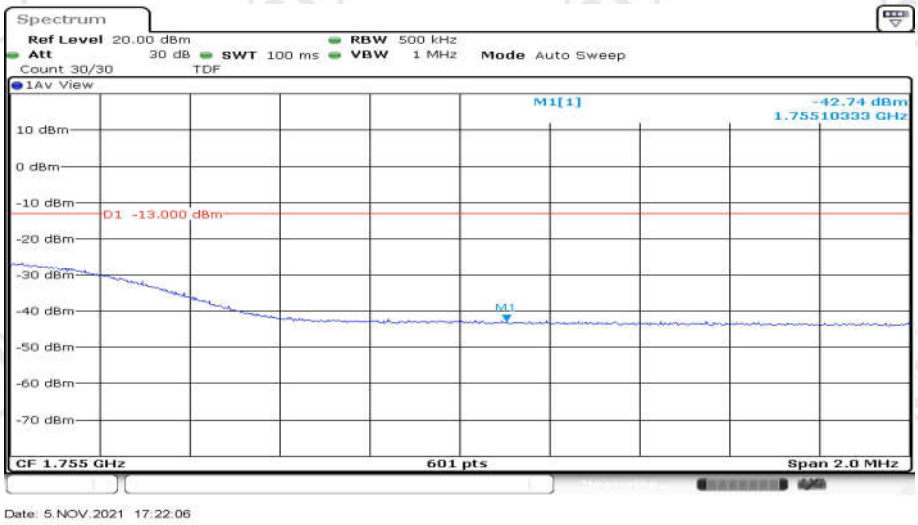
Band4-20MHz-16QAM-20050-1RB#99



Band4-20MHz-16QAM-20050-100RB#0

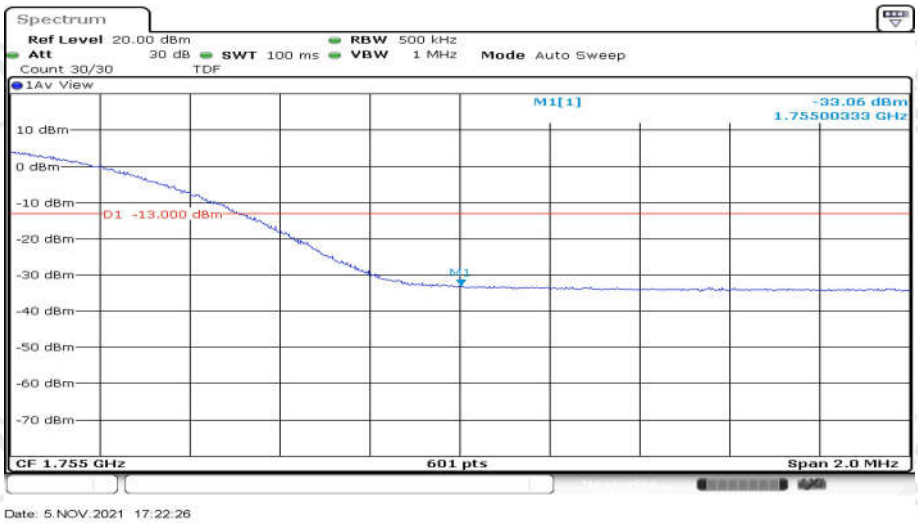

Spectrum
Ref Level 20.00 dBm
RBW 500 kHz
Att 30 dB
SWT 100 ms
VBW 1 MHz
Mode Auto Sweep
Count 30/30
TDF
1Av View
M1[1]
-32.98 dBm
1.71000000 GHz
10 dBm
0 dBm
-10 dBm
D1 -13.000 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
CF 1.71 GHz
601 pts
Span 2.0 MHz
Date: 5.NOV.2021 17:21:43

Band4-20MHz-16QAM-20300-1RB#0



Band4-20MHz-16QAM-20300-1RB#99

Band4-20MHz-16QAM-20300-100RB#0



Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	Range1:30~1000MHz	-41.59	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range2:1000~2000MHz	-26.7	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range3:2000~20000MHz	-48.22	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-42.23	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range2:1000~2000MHz	-26.9	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range3:2000~20000MHz	-48.33	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range1:30~1000MHz	-42.07	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range2:1000~2000MHz	-27.46	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range3:2000~20000MHz	-48.2	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range1:30~1000MHz	-42.6	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range2:1000~2000MHz	-27.06	PASS

Band4	1.4MHz	16QAM	19957	1RB#0	Range3:2000 ~20000MHz	-47.99	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range1:30~1 000MHz	-42.45	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range2:1000 ~2000MHz	-26.22	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range3:2000 ~20000MHz	-49.13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range1:30~1 000MHz	-40.6	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range2:1000 ~2000MHz	-27.6	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range3:2000 ~20000MHz	-49.04	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range1:30~1 000MHz	-42.29	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range2:1000 ~2000MHz	-25.56	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range3:2000 ~20000MHz	-48.49	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range1:30~1 000MHz	-42.03	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range2:1000 ~2000MHz	-26.94	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range3:2000 ~20000MHz	-48.69	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range1:30~1 000MHz	-43.04	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range2:1000 ~2000MHz	-26.26	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range3:2000 ~20000MHz	-48.33	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range1:30~1 000MHz	-42.18	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range2:1000 ~2000MHz	-27.38	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range3:2000 ~20000MHz	-48.5	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range1:30~1 000MHz	-42.23	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range2:1000	-26.55	PASS

					~2000MHz		
Band4	3MHz	16QAM	20175	1RB#0	Range3:2000 ~20000MHz	-48.1	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range1:30~1 000MHz	-42.83	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range2:1000 ~2000MHz	-27.05	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range3:2000 ~20000MHz	-48.27	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range1:30~1 000MHz	-42.21	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range2:1000 ~2000MHz	-27.16	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range3:2000 ~20000MHz	-47.45	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range1:30~1 000MHz	-40.98	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range2:1000 ~2000MHz	-26.66	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range3:2000 ~20000MHz	-48.33	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range1:30~1 000MHz	-42.26	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range2:1000 ~2000MHz	-26.78	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range3:2000 ~20000MHz	-48.05	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range1:30~1 000MHz	-42.06	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range2:1000 ~2000MHz	-25.55	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range3:2000 ~20000MHz	-48.44	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range1:30~1 000MHz	-42.08	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range2:1000 ~2000MHz	-27.01	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range3:2000 ~20000MHz	-47.77	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range1:30~1 000MHz	-42.37	PASS

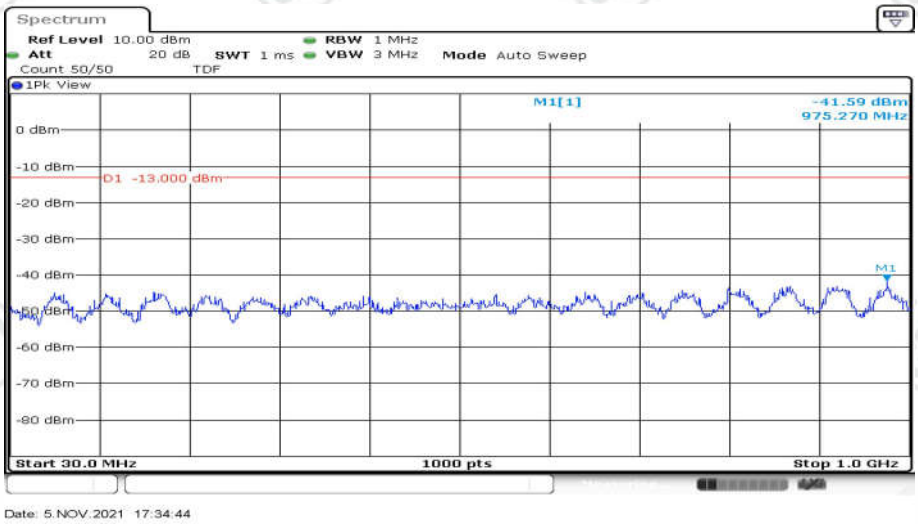
Band4	5MHz	16QAM	20375	1RB#0	Range2:1000 ~2000MHz	-27.17	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range3:2000 ~20000MHz	-47.96	PASS
Band4	10MHz	QPSK	20000	1RB#0	Range1:30~1 000MHz	-42.96	PASS
Band4	10MHz	QPSK	20000	1RB#0	Range2:1000 ~2000MHz	-26.9	PASS
Band4	10MHz	QPSK	20000	1RB#0	Range3:2000 ~20000MHz	-49.08	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range1:30~1 000MHz	-42.64	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range2:1000 ~2000MHz	-26.35	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range3:2000 ~20000MHz	-48.85	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range1:30~1 000MHz	-42.76	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range2:1000 ~2000MHz	-26.77	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range3:2000 ~20000MHz	-48	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range1:30~1 000MHz	-41.93	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range2:1000 ~2000MHz	-26.79	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range3:2000 ~20000MHz	-48.63	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range1:30~1 000MHz	-41.8	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range2:1000 ~2000MHz	-27.47	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range3:2000 ~20000MHz	-47.2	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range1:30~1 000MHz	-41.48	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range2:1000 ~2000MHz	-27.13	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range3:2000 ~20000MHz	-47.49	PASS
Band4	15MHz	QPSK	20025	1RB#0	Range1:30~1	-42.06	PASS

					000MHz		
Band4	15MHz	QPSK	20025	1RB#0	Range2:1000 ~2000MHz	-27.04	PASS
Band4	15MHz	QPSK	20025	1RB#0	Range3:2000 ~20000MHz	-47.21	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range1:30~1 000MHz	-42.35	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range2:1000 ~2000MHz	-26.75	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range3:2000 ~20000MHz	-47.8	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range1:30~1 000MHz	-43.23	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range2:1000 ~2000MHz	-26.89	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range3:2000 ~20000MHz	-48.2	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range1:30~1 000MHz	-42.2	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range2:1000 ~2000MHz	-26.7	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range3:2000 ~20000MHz	-47.9	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range1:30~1 000MHz	-41.27	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range2:1000 ~2000MHz	-27.17	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range3:2000 ~20000MHz	-47.51	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range1:30~1 000MHz	-42.49	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range2:1000 ~2000MHz	-26.54	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range3:2000 ~20000MHz	-48.2	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range1:30~1 000MHz	-42.22	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range2:1000 ~2000MHz	-27.3	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range3:2000 ~20000MHz	-49.12	PASS

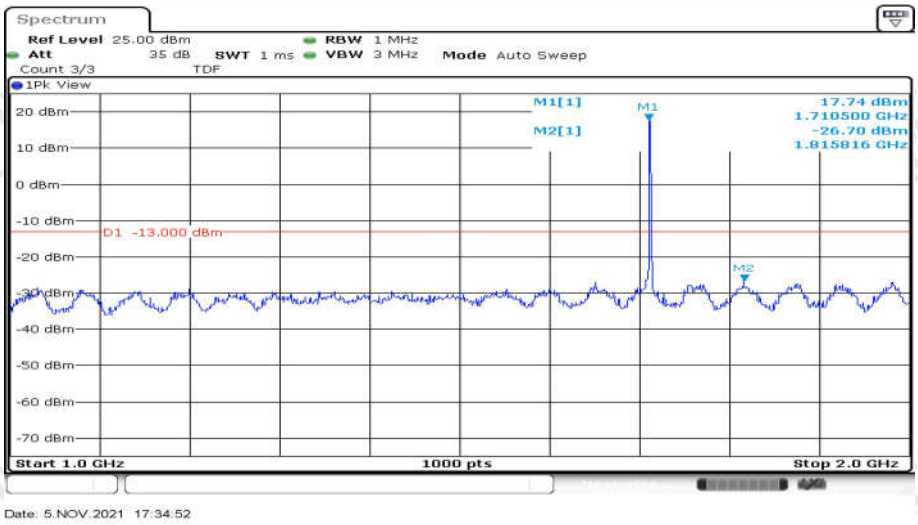
Band4	20MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-42.01	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range2:1000~2000MHz	-27.35	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range3:2000~20000MHz	-46.29	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range1:30~1000MHz	-43.03	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range2:1000~2000MHz	-26.57	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range3:2000~20000MHz	-48.56	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range1:30~1000MHz	-41.75	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range2:1000~2000MHz	-25.9	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range3:2000~20000MHz	-48.8	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-41.73	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range2:1000~2000MHz	-27.24	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range3:2000~20000MHz	-47.69	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range1:30~1000MHz	-42.76	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range2:1000~2000MHz	-26.95	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range3:2000~20000MHz	-48.48	PASS

Test Graphs

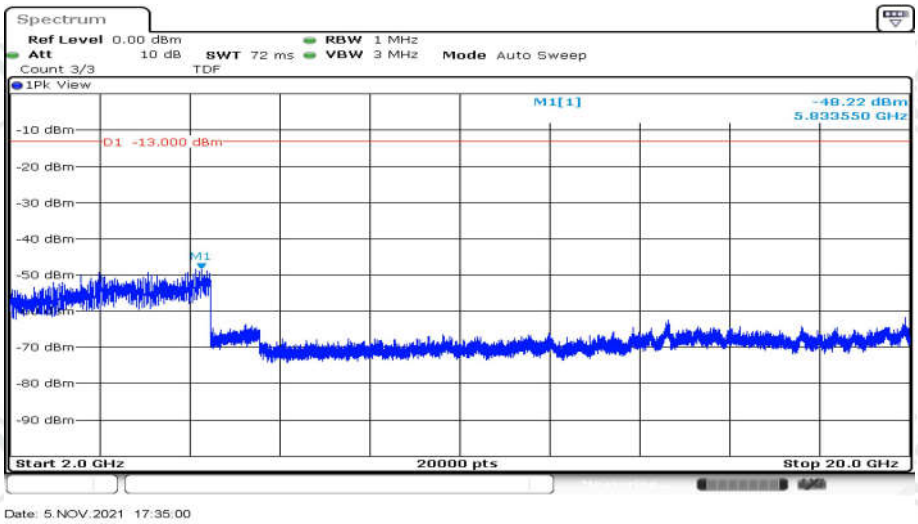
Band4-1.4MHz-QPSK-19957-1RB#0-Range1:30~1000MHz



Band4-1.4MHz-QPSK-19957-1RB#0-Range2:1000~2000MHz



Band4-1.4MHz-QPSK-19957-1RB#0-Range3:2000~20000MHz



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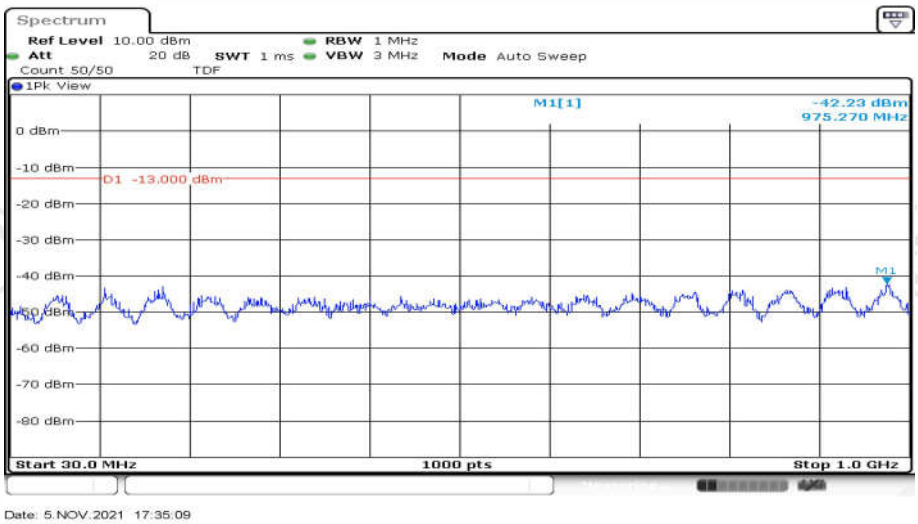

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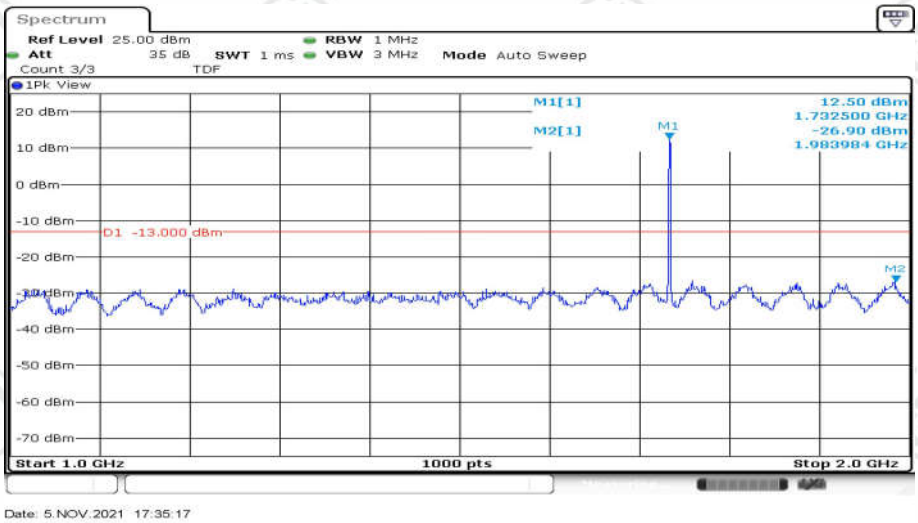

Band4-1.4MHz-QPSK-20175-1RB#0-Range3:2000~20000MHz