

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

NR Band7

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	SCS	RB Config	Conducted power (dBm)
DFT-PI2BPS K	2502.5	500500	5	15kHz	Inner_1RB_Left	23.81
					Inner_1RB_Right	23.76
					Inner_Full	23.79
	2535	507000			Inner_1RB_Left	23.53
					Inner_1RB_Right	23.56
					Inner_Full	23.53
	2567.5	513500			Inner_1RB_Left	23.54
					Inner_1RB_Right	23.67
					Inner_Full	23.68
DFT-QPSK	2502.5	500500	5	15kHz	Inner_1RB_Left	23.71
					Inner_1RB_Right	23.83
					Inner_Full	23.76
	2535	507000			Inner_1RB_Left	23.66
					Inner_1RB_Right	23.47
					Inner_Full	23.40
	2567.5	513500			Inner_1RB_Left	23.67
					Inner_1RB_Right	23.72
					Inner_Full	23.76
DFT-16QAM	2502.5	500500	5	15kHz	Inner_1RB_Left	22.84
					Inner_1RB_Right	22.86
					Inner_Full	22.73
	2535	507000			Inner_1RB_Left	22.60
					Inner_1RB_Right	22.62
					Inner_Full	22.53
	2567.5	513500			Inner_1RB_Left	22.80
					Inner_1RB_Right	22.81
					Inner_Full	22.79
DFT-64QAM	2502.5	500500	5	15kHz	Inner_1RB_Left	20.97
					Inner_1RB_Right	21.02
					Inner_Full	21.25
	2535	507000			Inner_1RB_Left	20.78
					Inner_1RB_Right	20.77
					Inner_Full	20.99
	2567.5	513500			Inner_1RB_Left	20.98
					Inner_1RB_Right	21.01
					Inner_Full	21.24
DFT-256QA M	2502.5	500500	5	15kHz	Inner_1RB_Left	19.10
					Inner_1RB_Right	19.18
					Inner_Full	21.02
	2535	507000			Inner_1RB_Left	18.86
					Inner_1RB_Right	18.89
					Inner_Full	20.70
	2567.5	513500			Inner_1RB_Left	19.02
					Inner_1RB_Right	19.11
					Inner_Full	20.98

Modulation	Carrier frequency (MHz)	UL Channel	BW	SCS	RB Config	Conducted power (dBm)
CP-QPSK	2502.5	500500	5	15kHz	Inner_1RB_Left	20.22
					Inner_1RB_Right	22.20
					Inner_Full	17.27
	2535	507000			Inner_1RB_Left	22.02
					Inner_1RB_Right	22.03
					Inner_Full	21.92
	2567.5	513500			Inner_1RB_Left	22.15
					Inner_1RB_Right	21.97
					Inner_Full	22.07
CP-16QAM	2502.5	500500	5	15kHz	Inner_1RB_Left	21.93
					Inner_1RB_Right	21.71
					Inner_Full	21.88
	2535	507000			Inner_1RB_Left	21.69
					Inner_1RB_Right	21.78
					Inner_Full	21.67
	2567.5	513500			Inner_1RB_Left	21.87
					Inner_1RB_Right	21.95
					Inner_Full	21.84
CP-64QAM	2502.5	500500	5	15kHz	Inner_1RB_Left	19.93
					Inner_1RB_Right	19.78
					Inner_Full	20.25
	2535	507000			Inner_1RB_Left	19.76
					Inner_1RB_Right	19.55
					Inner_Full	20.13
	2567.5	513500			Inner_1RB_Left	19.94
					Inner_1RB_Right	19.91
					Inner_Full	20.24
CP-256QAM	2502.5	500500	5	15kHz	Inner_1RB_Left	17.03
					Inner_1RB_Right	17.12
					Inner_Full	19.87
	2535	507000			Inner_1RB_Left	16.85
					Inner_1RB_Right	16.86
					Inner_Full	19.62
	2567.5	513500			Inner_1RB_Left	16.98
					Inner_1RB_Right	17.09
					Inner_Full	19.91

Modulation	Carrier frequency (MHz)	UL Channel	BW	SCS	RB Config	Conducted power (dBm)
DFT-PI2BPS K	2505	501000	10	15kHz	Inner_1RB_Left	23.39
					Inner_1RB_Right	23.60
					Inner_Full	23.10
	2535	507000			Inner_1RB_Left	23.17
					Inner_1RB_Right	23.53
					Inner_Full	23.51
	2565	513000			Inner_1RB_Left	23.18
					Inner_1RB_Right	23.56
					Inner_Full	23.59
DFT-QPSK	2505	501000	10	15kHz	Inner_1RB_Left	23.44
					Inner_1RB_Right	23.60
					Inner_Full	23.57
	2535	507000			Inner_1RB_Left	23.37
					Inner_1RB_Right	23.43
					Inner_Full	23.47
	2565	513000			Inner_1RB_Left	22.78
					Inner_1RB_Right	23.62
					Inner_Full	23.64
DFT-16QAM	2505	501000	10	15kHz	Inner_1RB_Left	22.77
					Inner_1RB_Right	22.83
					Inner_Full	22.33
	2535	507000			Inner_1RB_Left	22.70
					Inner_1RB_Right	22.80
					Inner_Full	22.45
	2565	513000			Inner_1RB_Left	22.68
					Inner_1RB_Right	22.77
					Inner_Full	22.59
DFT-64QAM	2505	501000	10	15kHz	Inner_1RB_Left	20.87
					Inner_1RB_Right	20.79
					Inner_Full	21.16
	2535	507000			Inner_1RB_Left	20.72
					Inner_1RB_Right	20.76
					Inner_Full	21.11
	2565	513000			Inner_1RB_Left	20.80
					Inner_1RB_Right	20.94
					Inner_Full	21.13
DFT-256QA M	2505	501000	10	15kHz	Inner_1RB_Left	18.95
					Inner_1RB_Right	19.00
					Inner_Full	20.82
	2535	507000			Inner_1RB_Left	18.93
					Inner_1RB_Right	18.90
					Inner_Full	20.75
	2565	513000			Inner_1RB_Left	18.89
					Inner_1RB_Right	18.96
					Inner_Full	20.76

Modulation	Carrier frequency (MHz)	UL Channel	BW	SCS	RB Config	Conducted power (dBm)
CP-QPSK	2505	501000	10	15kHz	Inner_1RB_Left	22.10
					Inner_1RB_Right	22.15
					Inner_Full	22.18
	2535	507000			Inner_1RB_Left	22.03
					Inner_1RB_Right	22.02
					Inner_Full	22.01
	2565	513000			Inner_1RB_Left	22.06
					Inner_1RB_Right	22.13
					Inner_Full	22.14
CP-16QAM	2505	501000	10	15kHz	Inner_1RB_Left	21.72
					Inner_1RB_Right	21.80
					Inner_Full	21.66
	2535	507000			Inner_1RB_Left	21.62
					Inner_1RB_Right	21.69
					Inner_Full	21.51
	2565	513000			Inner_1RB_Left	21.81
					Inner_1RB_Right	21.79
					Inner_Full	21.60
CP-64QAM	2505	501000	10	15kHz	Inner_1RB_Left	19.79
					Inner_1RB_Right	19.90
					Inner_Full	20.14
	2535	507000			Inner_1RB_Left	19.72
					Inner_1RB_Right	19.72
					Inner_Full	20.00
	2565	513000			Inner_1RB_Left	19.74
					Inner_1RB_Right	19.85
					Inner_Full	20.14
CP-256QAM	2505	501000	10	15kHz	Inner_1RB_Left	16.94
					Inner_1RB_Right	17.01
					Inner_Full	19.82
	2535	507000			Inner_1RB_Left	16.94
					Inner_1RB_Right	16.85
					Inner_Full	19.64
	2565	513000			Inner_1RB_Left	16.83
					Inner_1RB_Right	17.02
					Inner_Full	19.73

Modulation	Carrier frequency (MHz)	UL Channel	BW	SCS	RB Config	Conducted power (dBm)
DFT-PI2BPS K	2507.5	501500	15	15kHz	Inner_1RB_Left	23.30
					Inner_1RB_Right	23.27
					Inner_Full	23.40
	2535	507000			Inner_1RB_Left	23.20
					Inner_1RB_Right	23.25
					Inner_Full	23.36
	2562.5	512500			Inner_1RB_Left	23.44
					Inner_1RB_Right	23.60
					Inner_Full	23.68
DFT-QPSK	2507.5	501500	15	15kHz	Inner_1RB_Left	23.46
					Inner_1RB_Right	23.45
					Inner_Full	23.41
	2535	507000			Inner_1RB_Left	23.31
					Inner_1RB_Right	23.40
					Inner_Full	23.39
	2562.5	512500			Inner_1RB_Left	23.46
					Inner_1RB_Right	23.68
					Inner_Full	23.68
DFT-16QAM	2507.5	501500	15	15kHz	Inner_1RB_Left	22.61
					Inner_1RB_Right	22.49
					Inner_Full	22.44
	2535	507000			Inner_1RB_Left	22.41
					Inner_1RB_Right	22.53
					Inner_Full	22.43
	2562.5	512500			Inner_1RB_Left	22.39
					Inner_1RB_Right	22.68
					Inner_Full	22.63
DFT-64QAM	2507.5	501500	15	15kHz	Inner_1RB_Left	20.74
					Inner_1RB_Right	20.73
					Inner_Full	21.00
	2535	507000			Inner_1RB_Left	20.56
					Inner_1RB_Right	20.67
					Inner_Full	20.84
	2562.5	512500			Inner_1RB_Left	20.86
					Inner_1RB_Right	20.93
					Inner_Full	21.00
DFT-256QA M	2507.5	501500	15	15kHz	Inner_1RB_Left	18.84
					Inner_1RB_Right	18.96
					Inner_Full	20.60
	2535	507000			Inner_1RB_Left	18.74
					Inner_1RB_Right	18.89
					Inner_Full	20.61
	2562.5	512500			Inner_1RB_Left	19.01
					Inner_1RB_Right	19.12
					Inner_Full	20.90

Modulation	Carrier frequency (MHz)	UL Channel	BW	SCS	RB Config	Conducted power (dBm)
CP-QPSK	2507.5	501500	15	15kHz	Inner_1RB_Left	21.94
					Inner_1RB_Right	21.84
					Inner_Full	21.96
	2535	507000			Inner_1RB_Left	21.85
					Inner_1RB_Right	21.87
					Inner_Full	21.88
	2562.5	512500			Inner_1RB_Left	22.13
					Inner_1RB_Right	22.11
					Inner_Full	22.17
CP-16QAM	2507.5	501500	15	15kHz	Inner_1RB_Left	21.63
					Inner_1RB_Right	21.60
					Inner_Full	21.45
	2535	507000			Inner_1RB_Left	21.55
					Inner_1RB_Right	21.65
					Inner_Full	21.10
	2562.5	512500			Inner_1RB_Left	21.79
					Inner_1RB_Right	21.78
					Inner_Full	21.64
CP-64QAM	2507.5	501500	15	15kHz	Inner_1RB_Left	19.67
					Inner_1RB_Right	19.62
					Inner_Full	20.05
	2535	507000			Inner_1RB_Left	19.54
					Inner_1RB_Right	19.62
					Inner_Full	19.95
	2562.5	512500			Inner_1RB_Left	19.79
					Inner_1RB_Right	19.78
					Inner_Full	20.19
CP-256QAM	2507.5	501500	15	15kHz	Inner_1RB_Left	16.84
					Inner_1RB_Right	16.88
					Inner_Full	19.42
	2535	507000			Inner_1RB_Left	16.73
					Inner_1RB_Right	16.82
					Inner_Full	19.45
	2562.5	512500			Inner_1RB_Left	17.01
					Inner_1RB_Right	17.04
					Inner_Full	19.43

Modulation	Carrier frequency (MHz)	UL Channel	BW	SCS	RB Config	Conducted power (dBm)
DFT-PI2BPS K	2510	502000	20	15kHz	Inner_1RB_Left	22.96
					Inner_1RB_Right	23.28
					Inner_Full	23.41
	2535	507000			Inner_1RB_Left	23.17
					Inner_1RB_Right	23.29
					Inner_Full	23.36
	2560	512000			Inner_1RB_Left	23.36
					Inner_1RB_Right	23.60
					Inner_Full	23.61
DFT-QPSK	2510	502000	20	15kHz	Inner_1RB_Left	23.46
					Inner_1RB_Right	23.30
					Inner_Full	23.48
	2535	507000			Inner_1RB_Left	23.20
					Inner_1RB_Right	23.30
					Inner_Full	23.29
	2560	512000			Inner_1RB_Left	23.50
					Inner_1RB_Right	23.63
					Inner_Full	23.57
DFT-16QAM	2510	502000	20	15kHz	Inner_1RB_Left	22.51
					Inner_1RB_Right	22.54
					Inner_Full	22.56
	2535	507000			Inner_1RB_Left	22.50
					Inner_1RB_Right	22.37
					Inner_Full	22.11
	2560	512000			Inner_1RB_Left	22.62
					Inner_1RB_Right	22.70
					Inner_Full	22.60
DFT-64QAM	2510	502000	20	15kHz	Inner_1RB_Left	20.87
					Inner_1RB_Right	20.76
					Inner_Full	21.07
	2535	507000			Inner_1RB_Left	20.36
					Inner_1RB_Right	20.89
					Inner_Full	20.89
	2560	512000			Inner_1RB_Left	21.19
					Inner_1RB_Right	21.07
					Inner_Full	21.10
DFT-256QA M	2510	502000	20	15kHz	Inner_1RB_Left	18.95
					Inner_1RB_Right	19.01
					Inner_Full	19.48
	2535	507000			Inner_1RB_Left	18.74
					Inner_1RB_Right	18.90
					Inner_Full	19.56
	2560	512000			Inner_1RB_Left	18.97
					Inner_1RB_Right	19.07
					Inner_Full	19.29

Modulation	Carrier frequency (MHz)	UL Channel	BW	SCS	RB Config	Conducted power (dBm)
CP-QPSK	2510	502000	20	15kHz	Inner_1RB_Left	22.06
					Inner_1RB_Right	21.92
					Inner_Full	22.03
	2535	507000			Inner_1RB_Left	21.89
					Inner_1RB_Right	21.86
					Inner_Full	21.89
	2560	512000			Inner_1RB_Left	22.12
					Inner_1RB_Right	22.00
					Inner_Full	22.10
CP-16QAM	2510	502000			Inner_1RB_Left	21.28
					Inner_1RB_Right	21.71
					Inner_Full	21.51
	2535	507000			Inner_1RB_Left	21.50
					Inner_1RB_Right	21.62
					Inner_Full	21.38
	2560	512000			Inner_1RB_Left	21.72
					Inner_1RB_Right	21.73
					Inner_Full	21.61
CP-64QAM	2510	502000			Inner_1RB_Left	19.79
					Inner_1RB_Right	19.70
					Inner_Full	20.15
	2535	507000			Inner_1RB_Left	19.50
					Inner_1RB_Right	19.62
					Inner_Full	19.98
	2560	512000			Inner_1RB_Left	19.73
					Inner_1RB_Right	19.83
					Inner_Full	20.13
CP-256QAM	2510	502000	Inner_1RB_Left	16.95		
			Inner_1RB_Right	17.01		
			Inner_Full	19.64		
	2535	507000	Inner_1RB_Left	16.78		
			Inner_1RB_Right	16.84		
			Inner_Full	19.43		
	2560	512000	Inner_1RB_Left	16.99		
			Inner_1RB_Right	17.03		
			Inner_Full	19.79		

Test on the worst case:

Modulation	Carrier frequency (MHz)	UL Channel	BW	SCS	RB Config	Conducted power (dBm)
DFT-PI2BPSK	2622.5	524500	5	15kHz	Inner_1RB_Left	23.6
					Inner_1RB_Right	23.66
					Inner_Full	23.57
	2655	507000			Inner_1RB_Left	23.57
					Inner_1RB_Right	23.35
					Inner_Full	23.22
	2687.5	513500			Inner_1RB_Left	23.45
					Inner_1RB_Right	23.57
					Inner_Full	23.64

2 Occupied Bandwidth

Band	Channel	BW (MHz)	SCS	RB Config	Bandwidth of 99% Power (MHz)									
					DFT-PI2BPSK		DFT-QPSK		DFT-16QAM		DFT-64QAM		DFT-256QAM	
N7	Mid	5	15	Outer_Full	4.45	Fig.1	4.47	Fig.2	4.48	Fig.3	4.49	Fig.4	4.48	Fig.5
	Mid	10		Outer_Full	8.94	Fig.10	8.96	Fig.11	8.98	Fig.12	8.98	Fig.13	8.94	Fig.14
	Mid	15		Outer_Full	13.47	Fig.19	13.44	Fig.20	13.47	Fig.21	13.44	Fig.22	13.44	Fig.23
	Mid	20		Outer_Full	17.88	Fig.28	17.92	Fig.29	17.92	Fig.30	17.92	Fig.31	17.92	Fig.32
Band	Channel	BW (MHz)	SCS	RB Config	Bandwidth of 99% Power (MHz)									
					CP-QPSK		CP-16QAM		CP-64QAM		CP-256QAM		--	
N7	Mid	5	15	Outer_Full	4.48	Fig.6	4.47	Fig.7	4.47	Fig.8	4.46	Fig.9	--	--
	Mid	10		Outer_Full	9.30	Fig.15	9.28	Fig.16	9.30	Fig.17	9.30	Fig.18	--	--
	Mid	15		Outer_Full	14.16	Fig.24	14.16	Fig.25	14.13	Fig.26	14.19	Fig.27	--	--
	Mid	20		Outer_Full	18.96	Fig.33	18.92	Fig.34	18.96	Fig.35	18.96	Fig.36	--	--

Band	Channel	BW (MHz)	SCS	RB Config	Bandwidth of -26dB transmitter power (MHz)									
					DFT-PI2BPSK		DFT-QPSK		DFT-16QAM		DFT-64QAM		DFT-256QAM	
N7	Mid	5	15	Outer_Full	4.83	Fig.1	4.86	Fig.2	4.86	Fig.3	4.80	Fig.4	4.88	Fig.5
	Mid	10		Outer_Full	9.44	Fig.10	9.48	Fig.11	9.56	Fig.12	9.38	Fig.13	9.40	Fig.14
	Mid	15		Outer_Full	14.13	Fig.19	14.19	Fig.20	14.13	Fig.21	14.19	Fig.22	14.10	Fig.23
	Mid	20		Outer_Full	18.64	Fig.28	18.72	Fig.29	18.64	Fig.30	18.72	Fig.31	18.72	Fig.32
Band	Channel	BW (MHz)	SCS	RB Config	Bandwidth of -26dB transmitter power (MHz)									
					CP-QPSK		CP-16QAM		CP-64QAM		CP-256QAM		--	
N7	Mid	5	15	Outer_Full	4.92	Fig.6	4.83	Fig.7	4.89	Fig.8	4.86	Fig.9	--	--
	Mid	10		Outer_Full	9.84	Fig.15	9.94	Fig.16	9.94	Fig.17	9.86	Fig.18	--	--
	Mid	15		Outer_Full	14.91	Fig.24	14.82	Fig.25	14.91	Fig.26	14.94	Fig.27	--	--
	Mid	20		Outer_Full	19.68	Fig.33	19.68	Fig.34	19.72	Fig.35	19.72	Fig.36	--	--

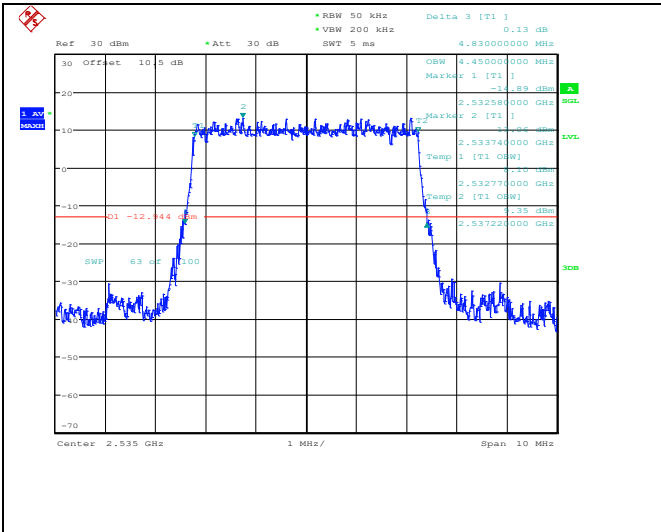


Fig.1

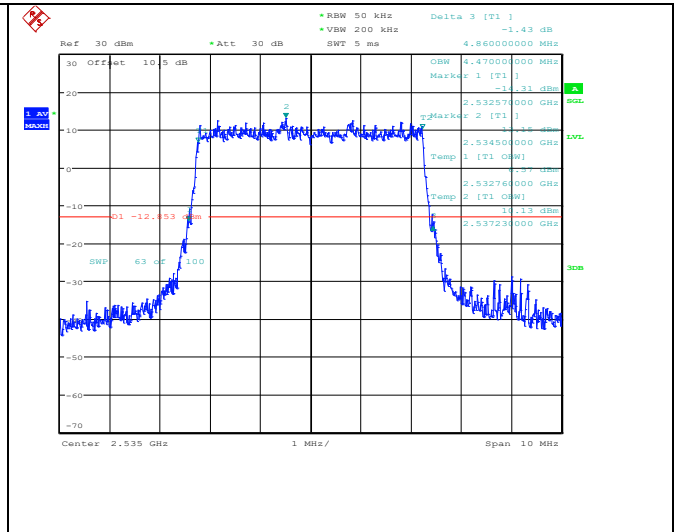


Fig.2

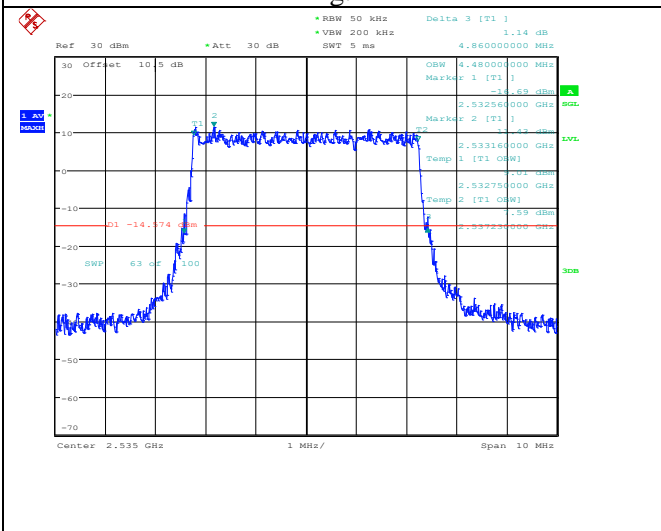


Fig.3

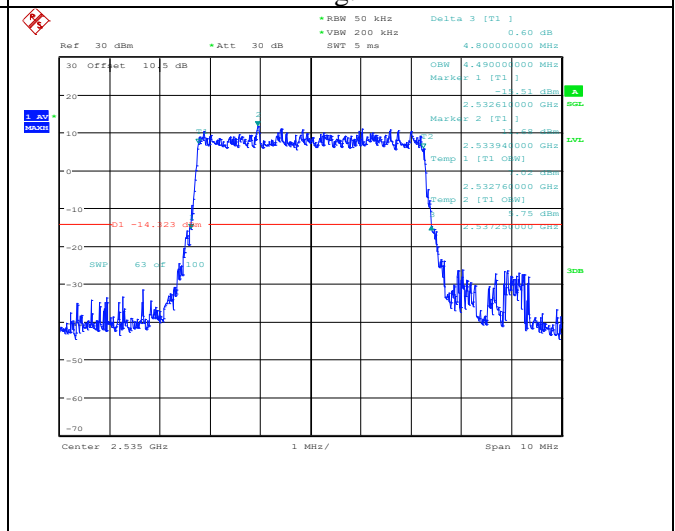


Fig.4

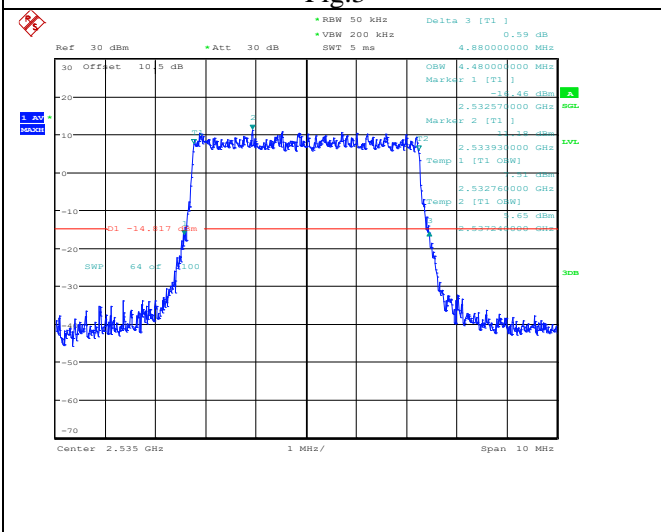


Fig.5

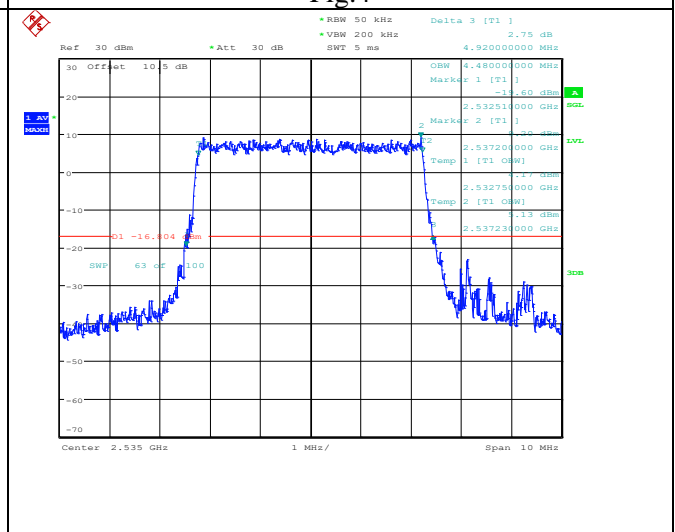


Fig.6

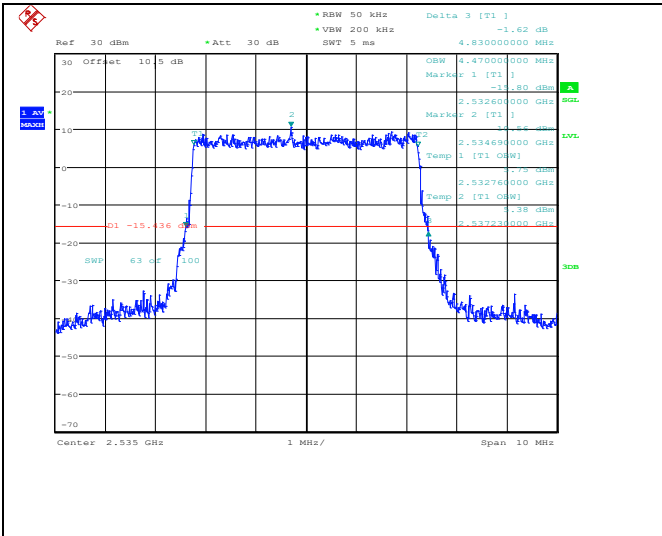


Fig.7

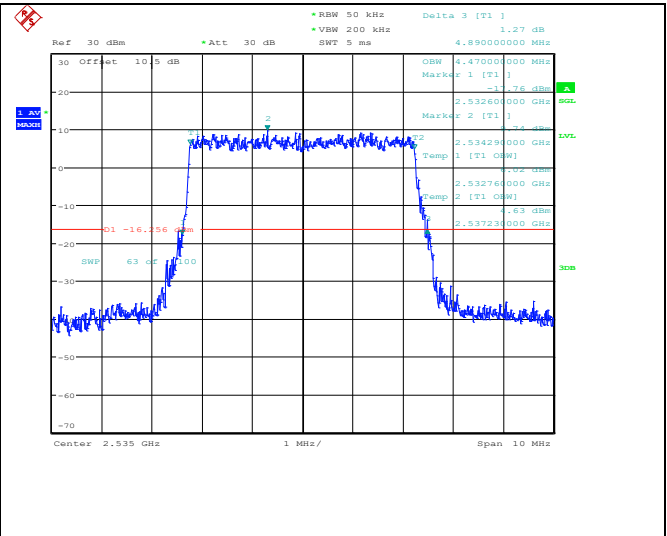


Fig.8

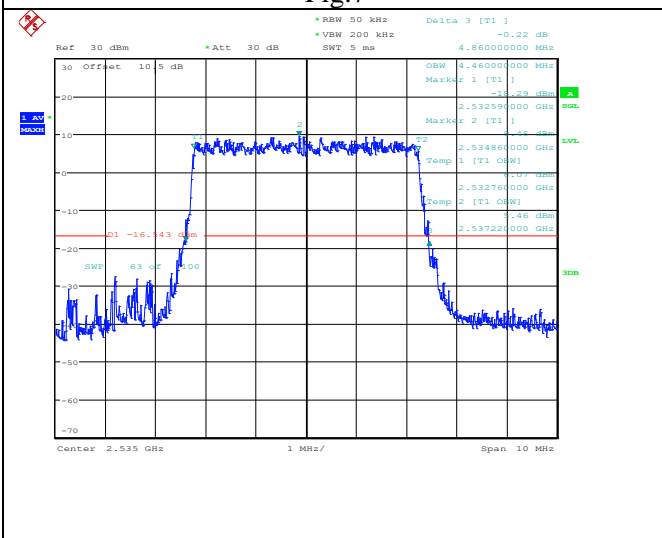


Fig.9

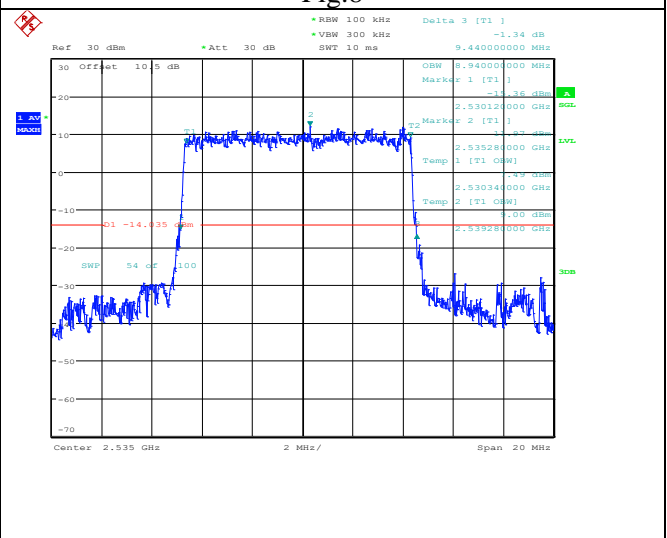


Fig.10

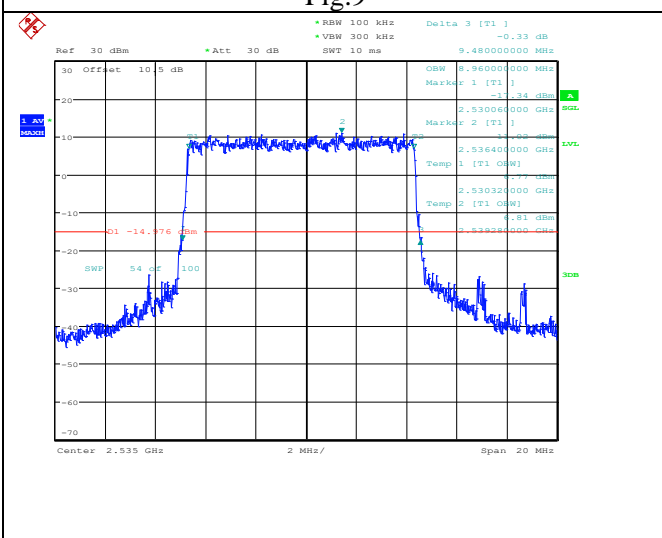


Fig.11

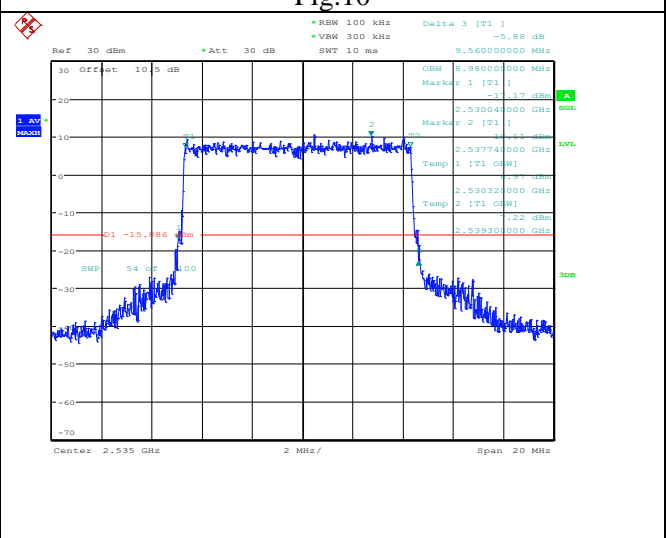


Fig.12

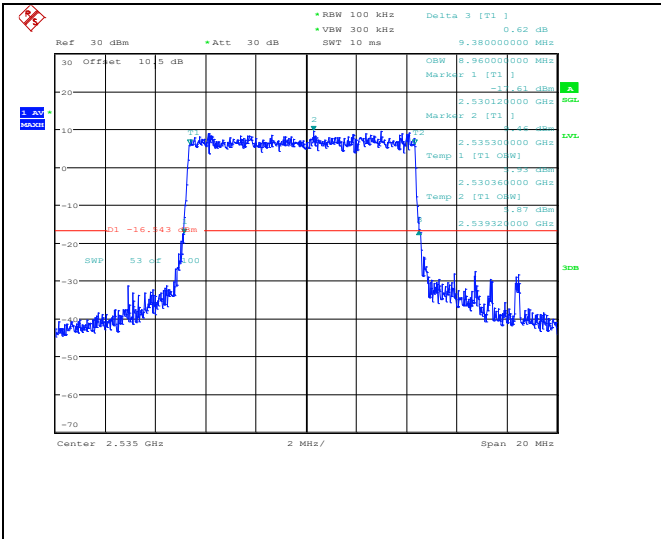


Fig.13

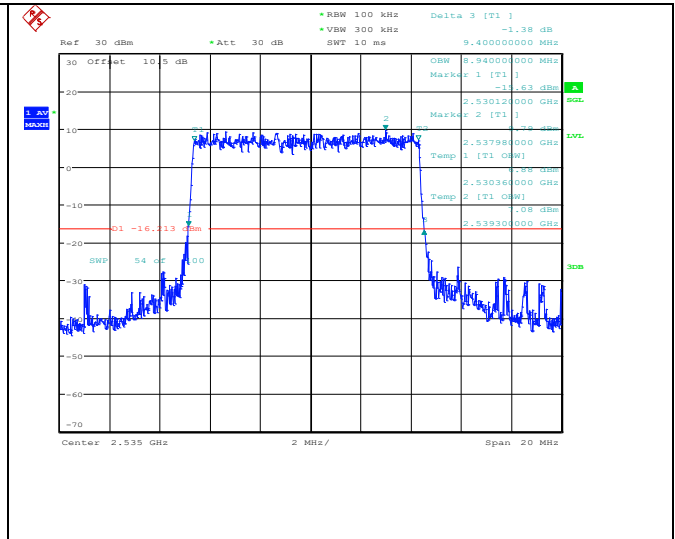


Fig.14

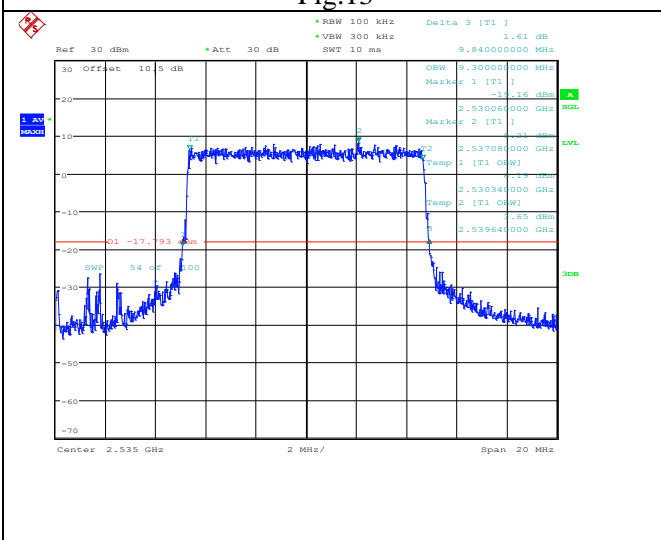


Fig.15

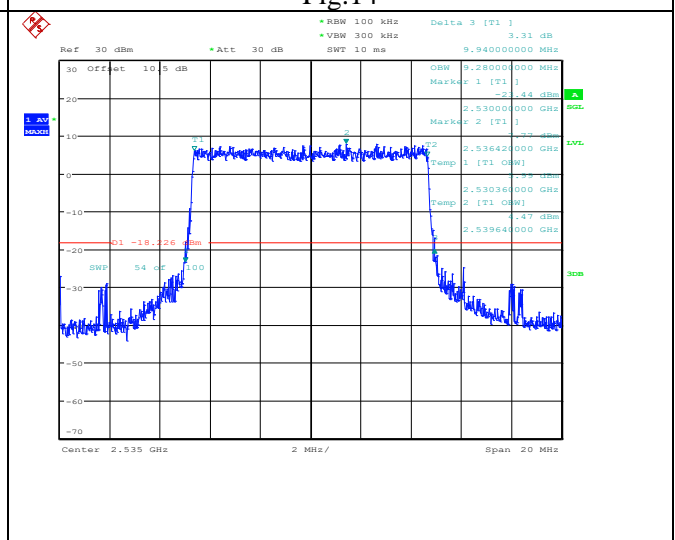


Fig.16

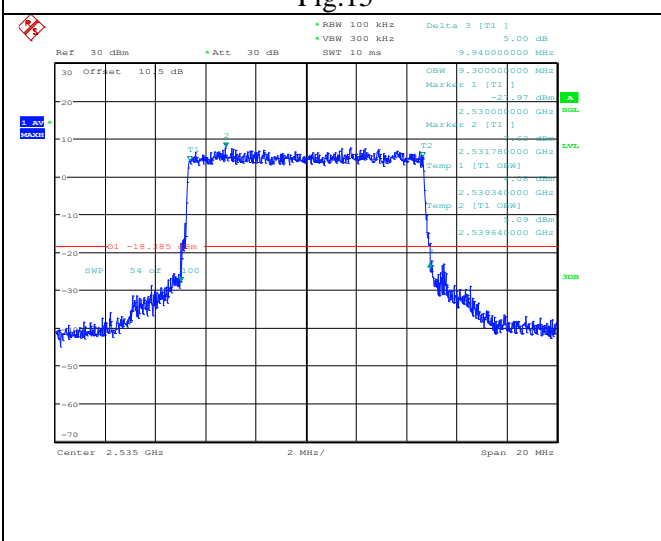


Fig.17

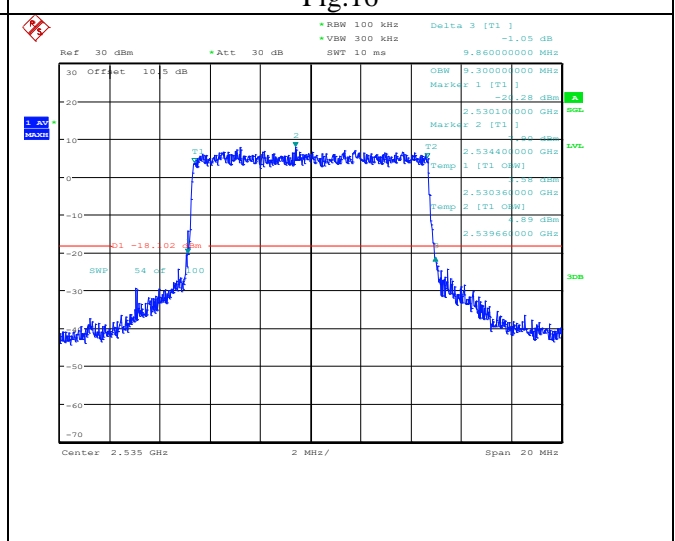


Fig.18

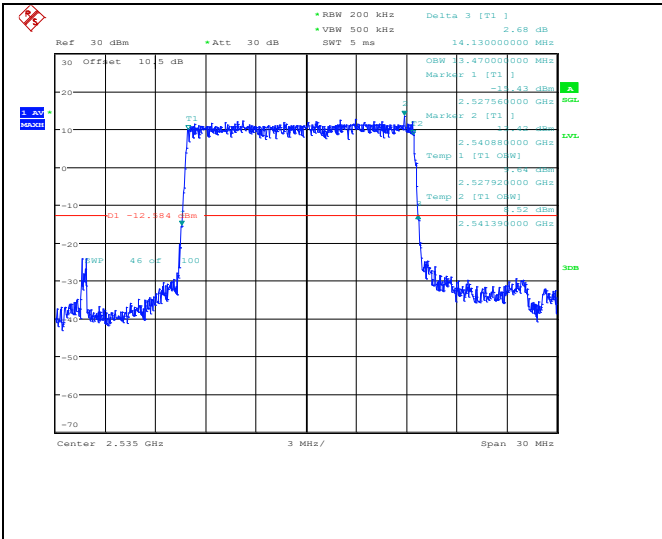


Fig.19

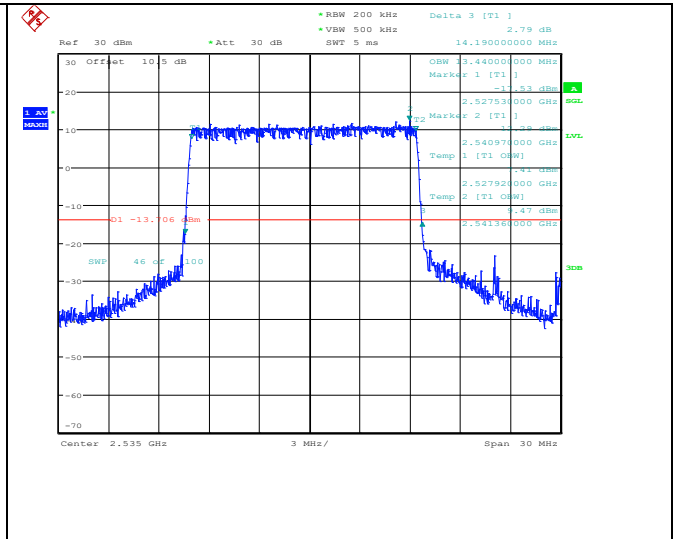


Fig.20

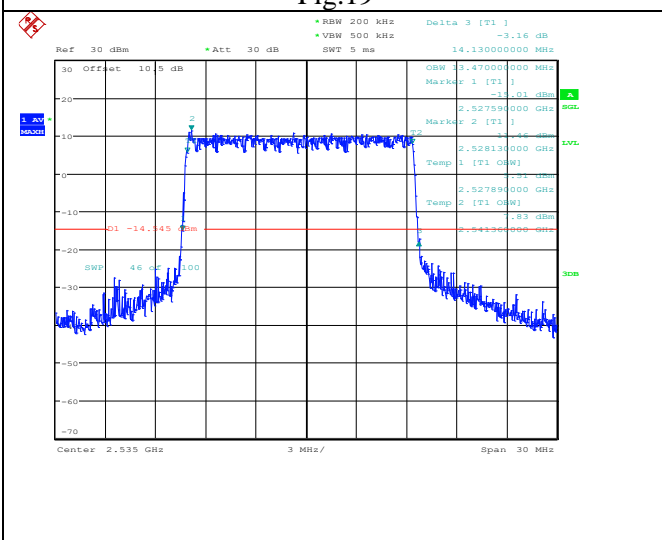


Fig.21

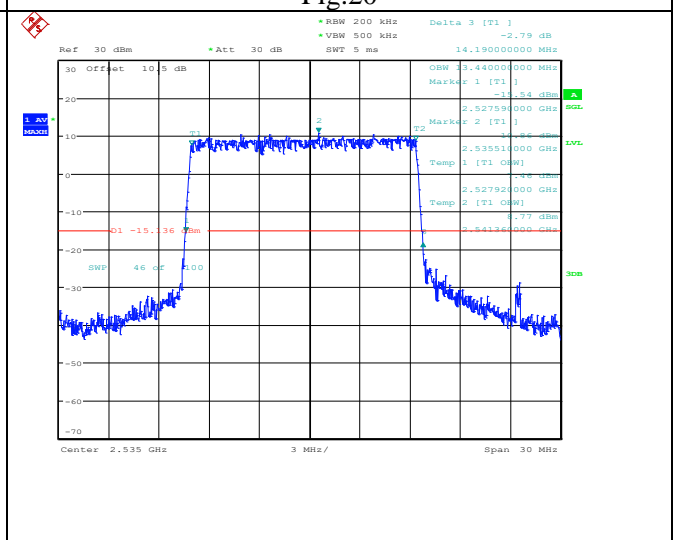


Fig.22

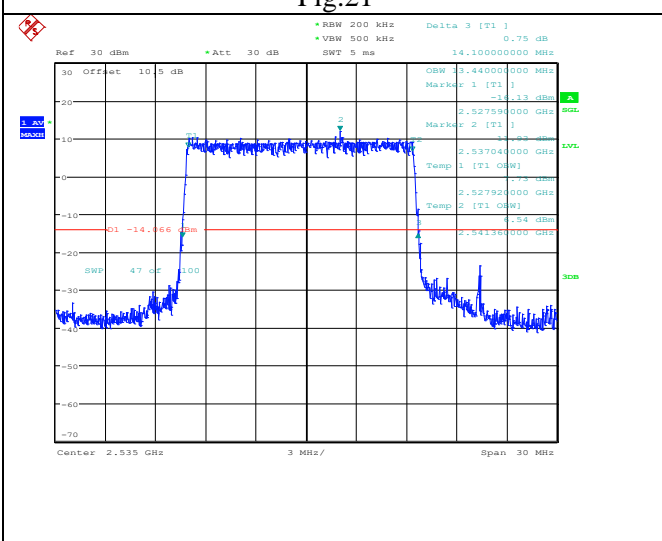


Fig.23

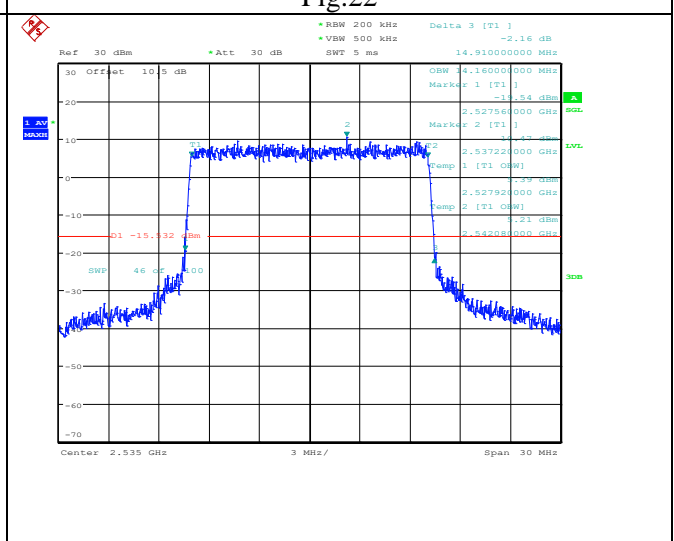
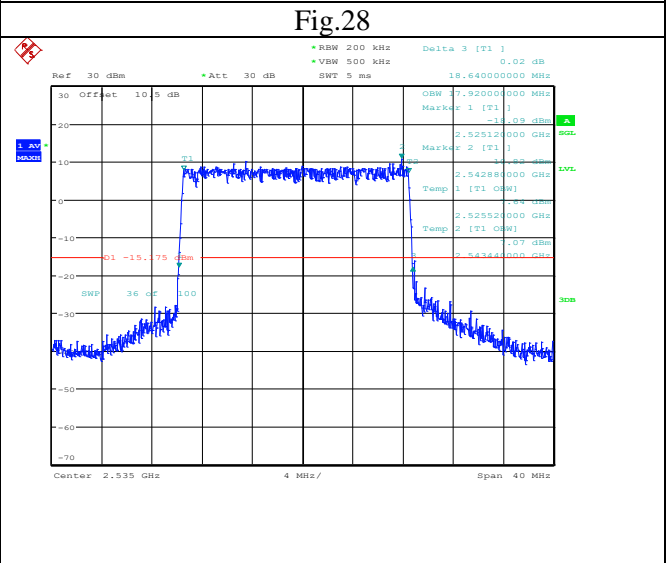
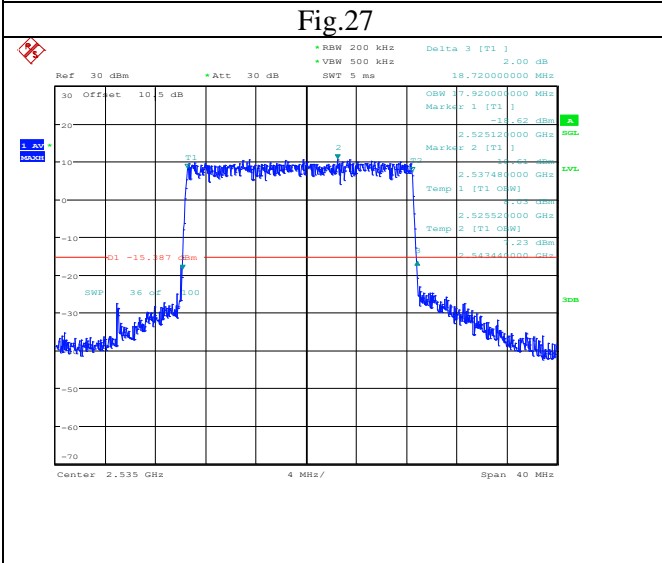
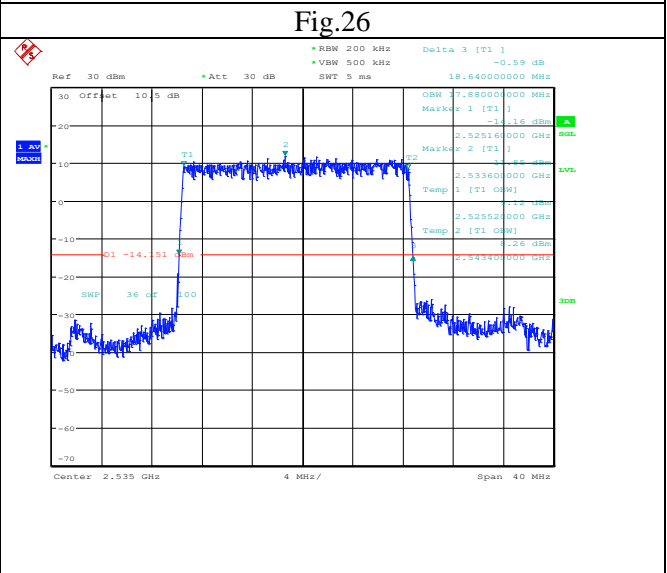
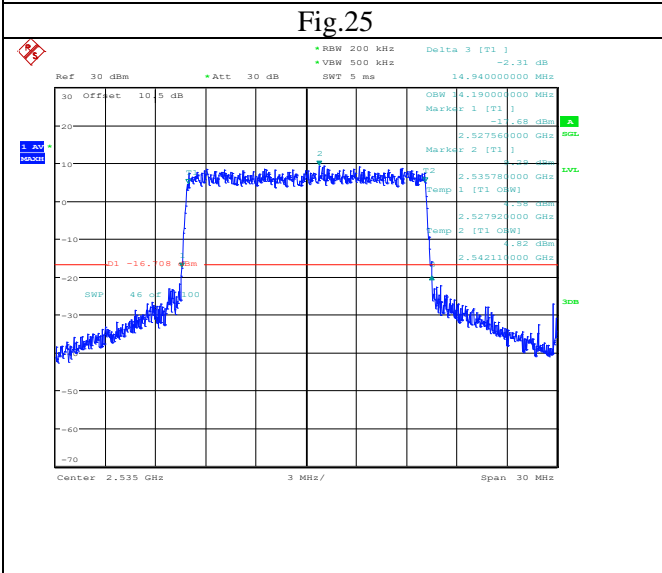
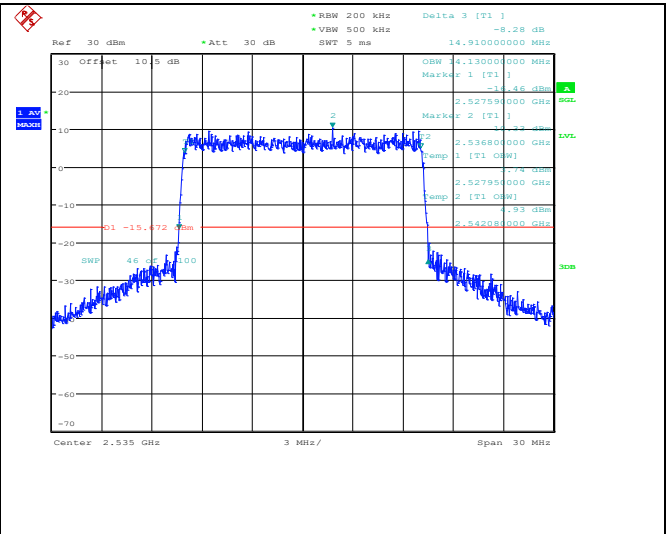
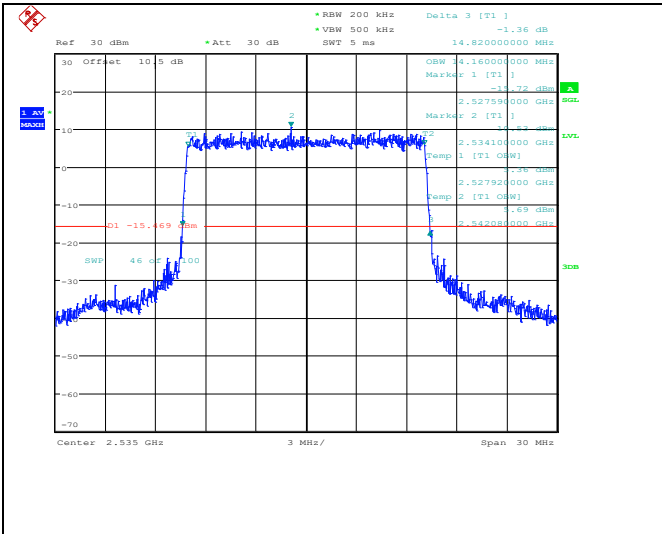


Fig.24



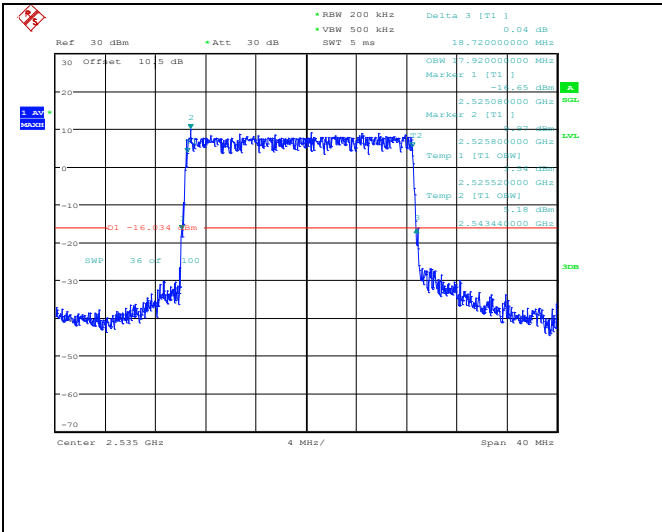


Fig.31

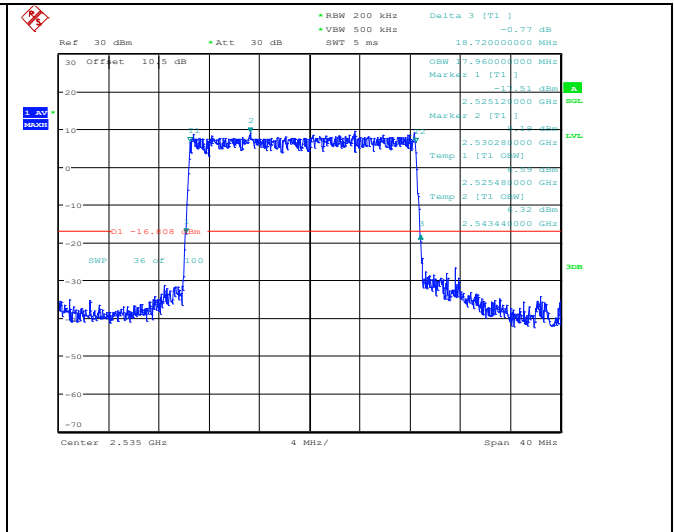


Fig.32

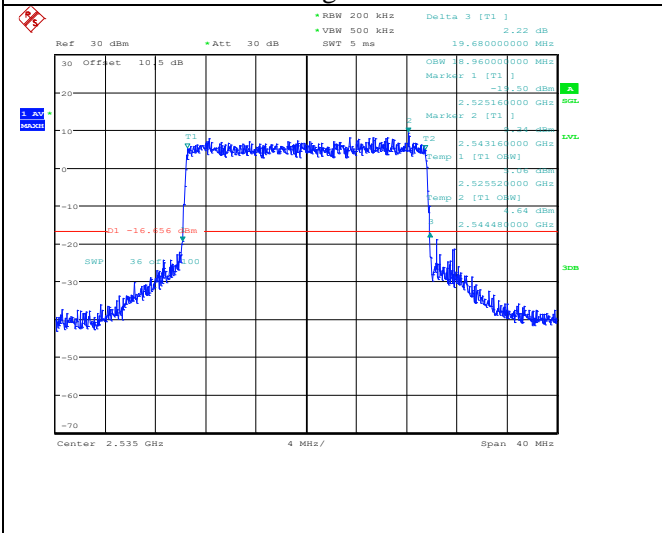


Fig.33

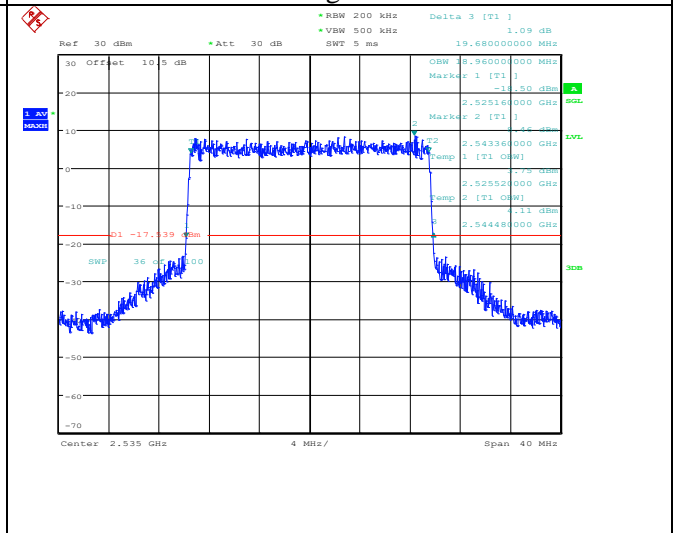


Fig.34

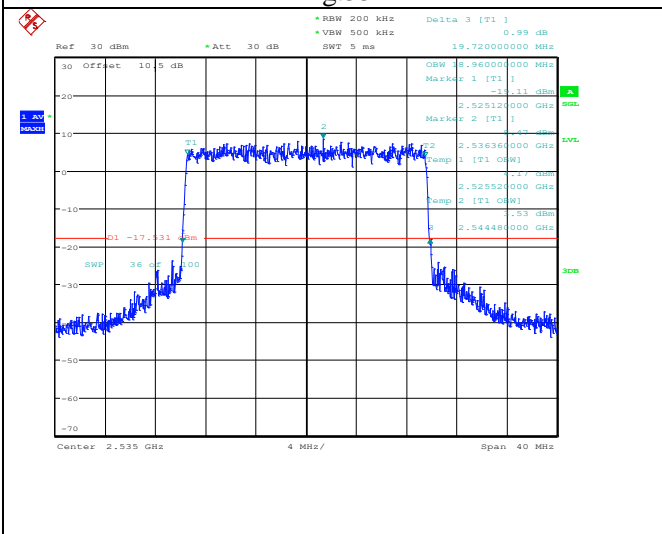


Fig.35

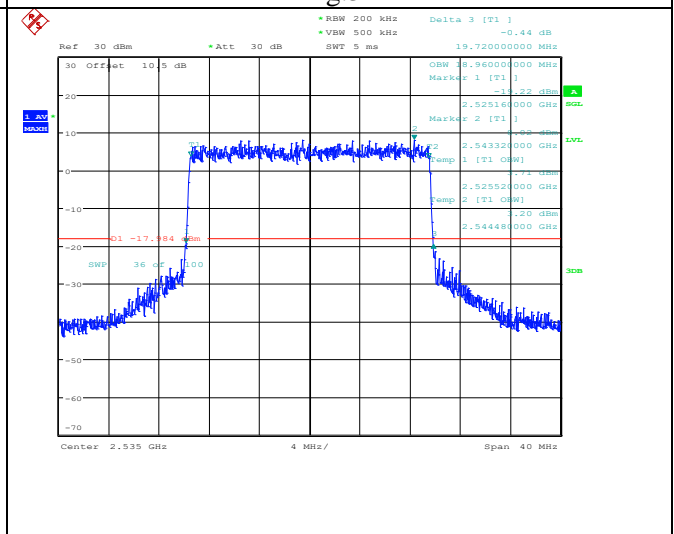


Fig.36

3 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	SCS	RB Config	DFT-PI2BPSK	CP-QPSK
N7	2535	507000	20	15kHz	Outer_Full	Fig.1	Fig.2

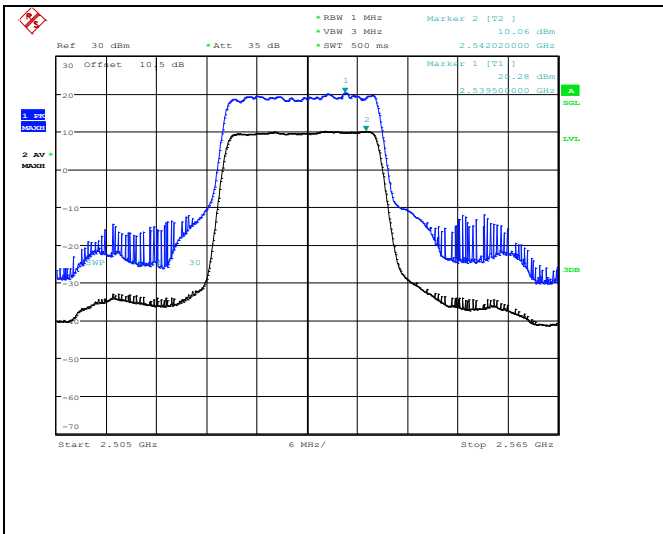


Fig.1

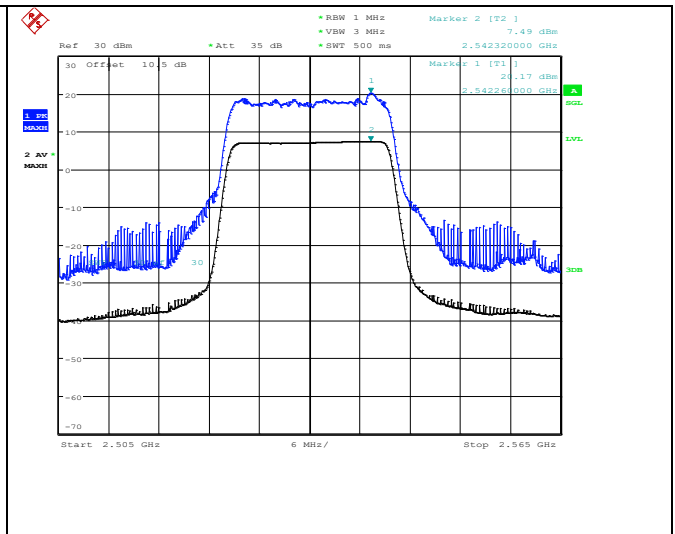


Fig.2

4 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	SCS	RB Size	RB Offset	Conducted Spurious Plot
							DFT-PI2BPS K
N7	2510	502000	20	15kHz	1	0	Fig.1
	2535	507000			1	0	Fig.2
	2560	512000			1	0	Fig.3

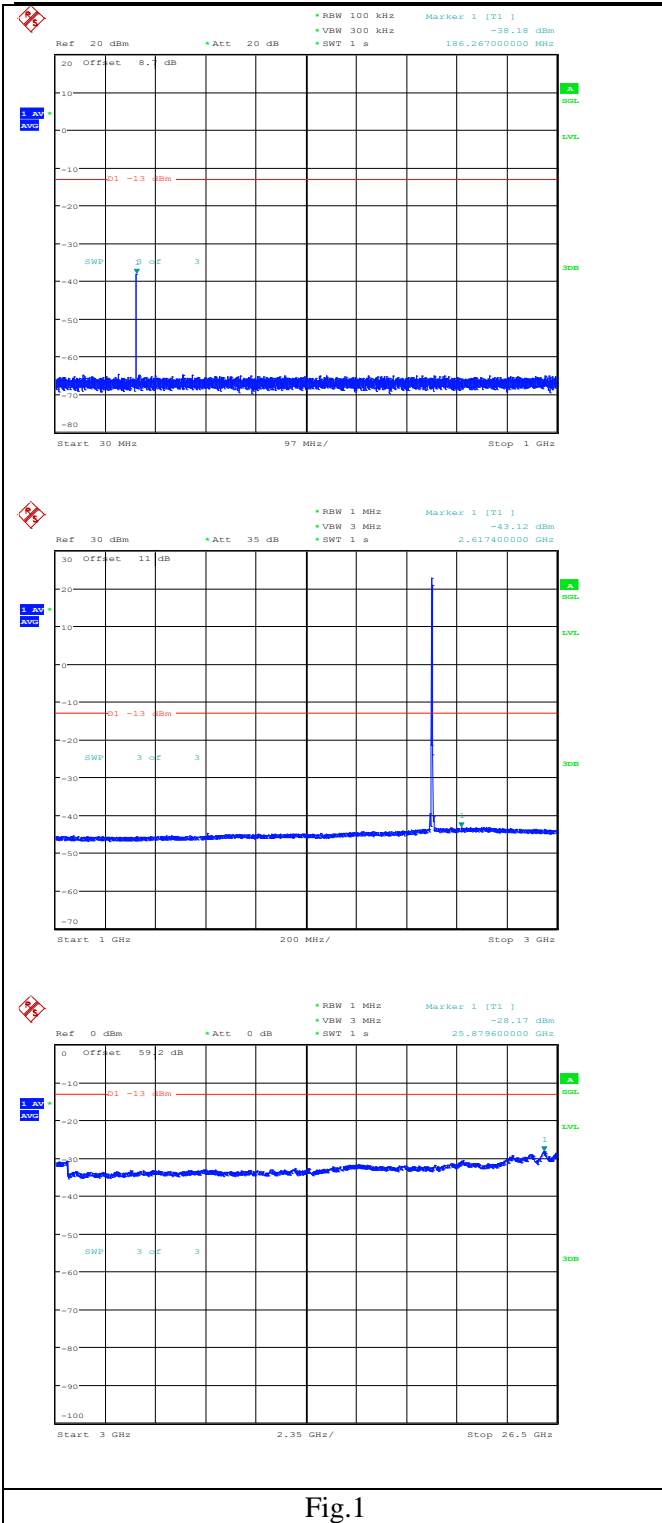


Fig.1

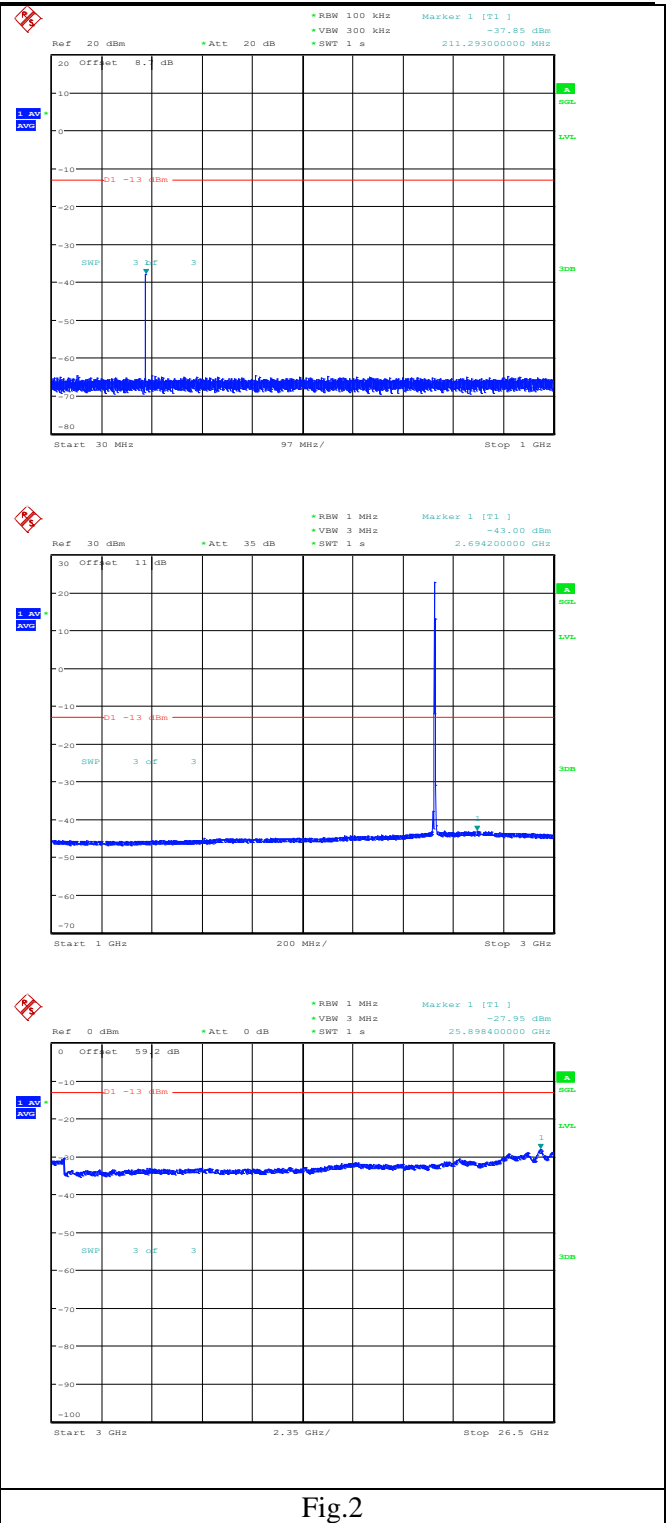


Fig.2

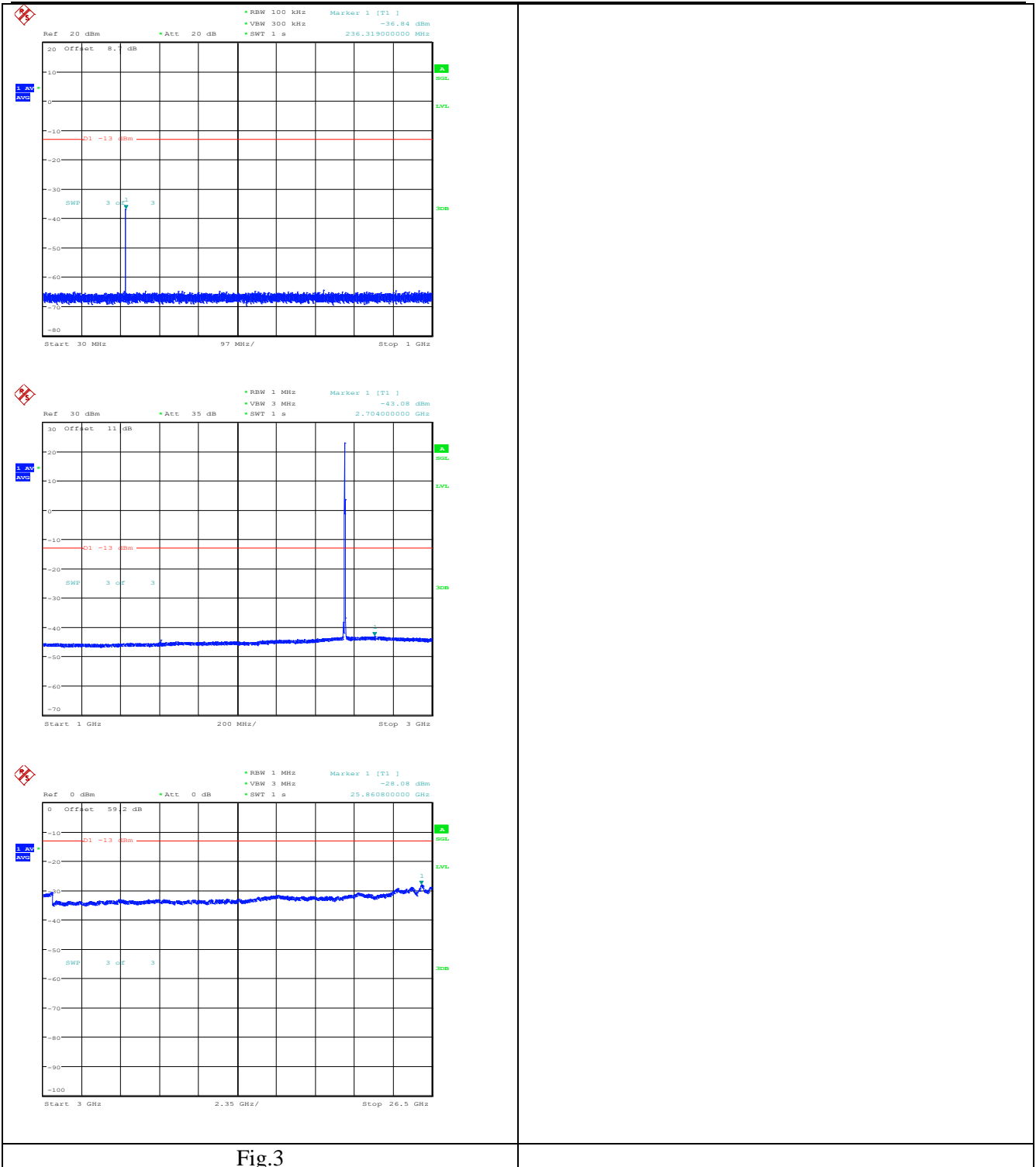


Fig.3

5 Band Edges Compliance

Band	Carrier frequency (MHz)	Channel	BW	SCS	RB Config	Band Edges Plot		
						DFT-PI2BPS K	CP-QPSK	
N7	2502.5	500500	5	15kHz	1RB_Left	Fig.1	Fig.5	
					Outer_Full	Fig.2	Fig.6	
	1RB_Right	Fig.3			Fig.7			
	Outer_Full	Fig.4			Fig.8			
	2567.5	513500	10		1RB_Left	Fig.9	Fig.13	
					Outer_Full	Fig.10	Fig.14	
	2505	501000	15		1RB_Right	Fig.11	Fig.15	
					Outer_Full	Fig.12	Fig.16	
	2565	513000			20	1RB_Left	Fig.17	Fig.21
						Outer_Full	Fig.18	Fig.22
	2507.5	501500	10		1RB_Right	Fig.19	Fig.23	
					Outer_Full	Fig.20	Fig.24	
	2562.5	512500	15		1RB_Left	Fig.25	Fig.29	
					Outer_Full	Fig.26	Fig.30	
2510	502000	20	1RB_Right	Fig.27	Fig.31			
			Outer_Full	Fig.28	Fig.32			
2560	512000		5	1RB_Left	Fig.1	Fig.5		
				Outer_Full	Fig.2	Fig.6		

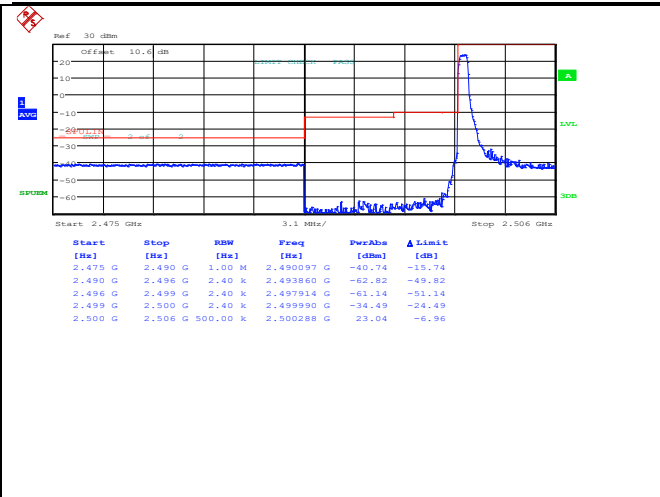


Fig.1

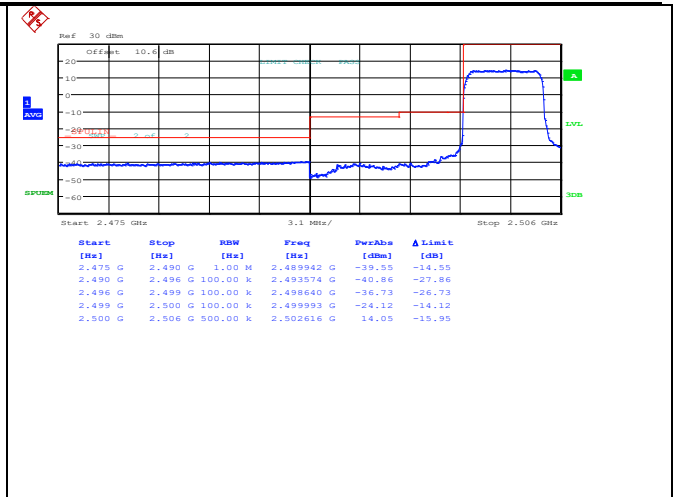


Fig.2

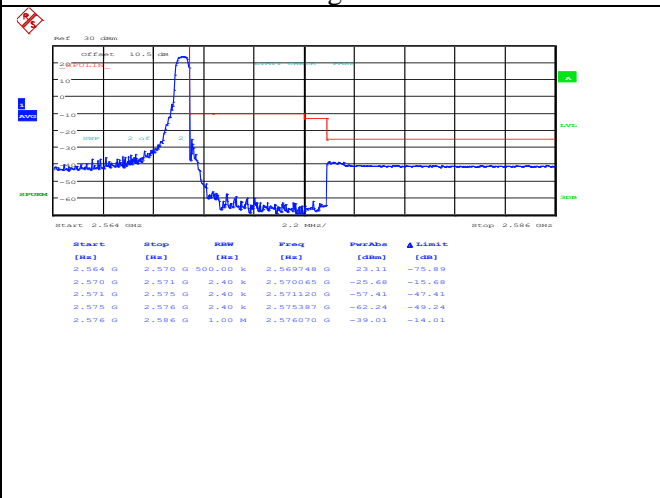


Fig.3

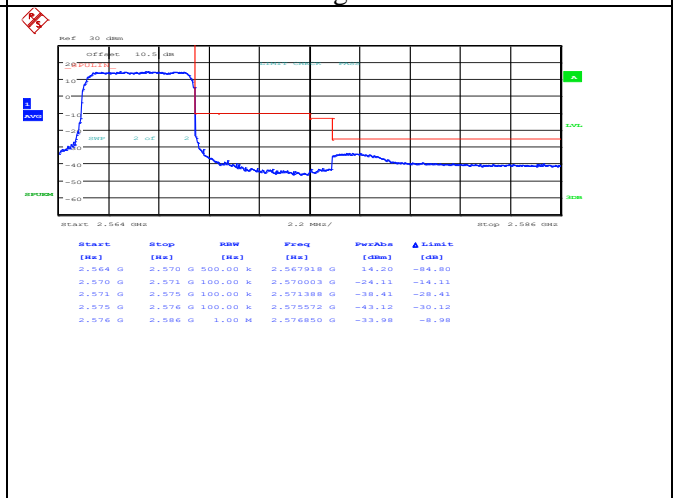


Fig.4

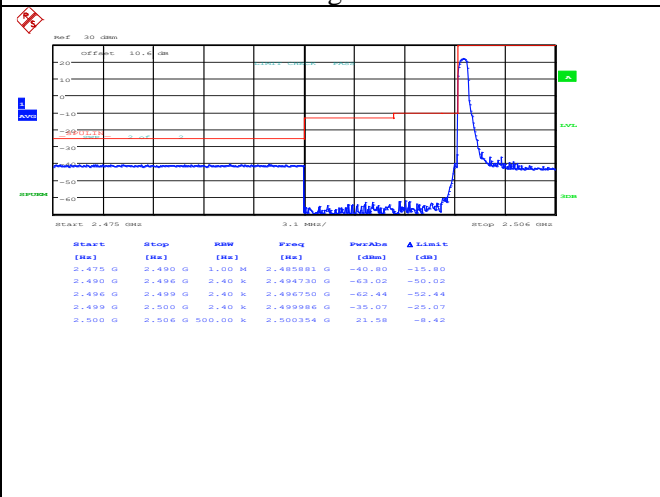


Fig.5

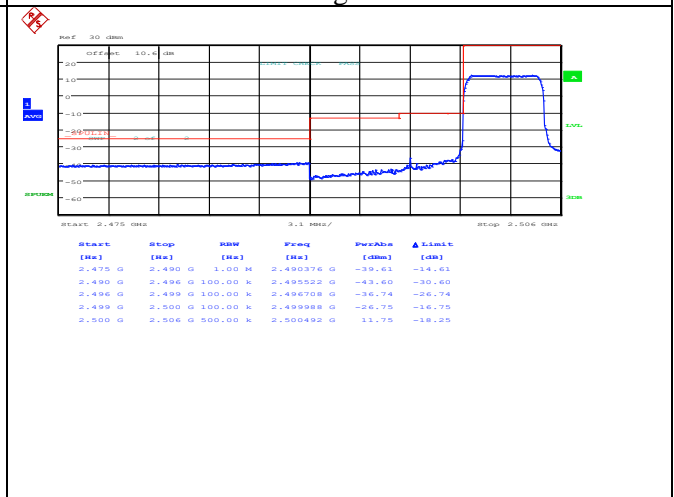


Fig.6

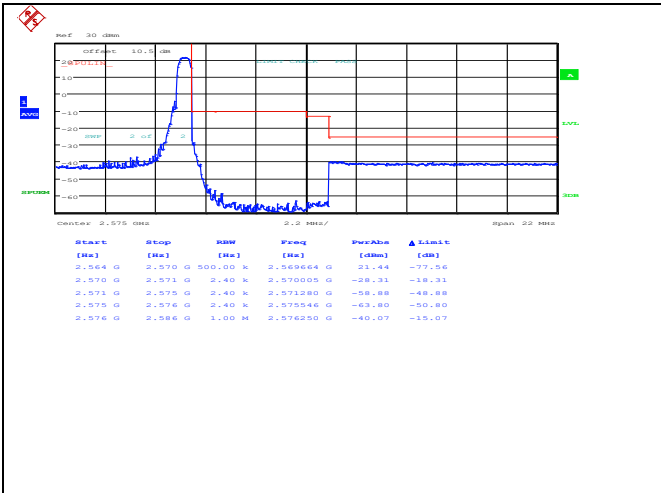


Fig.7

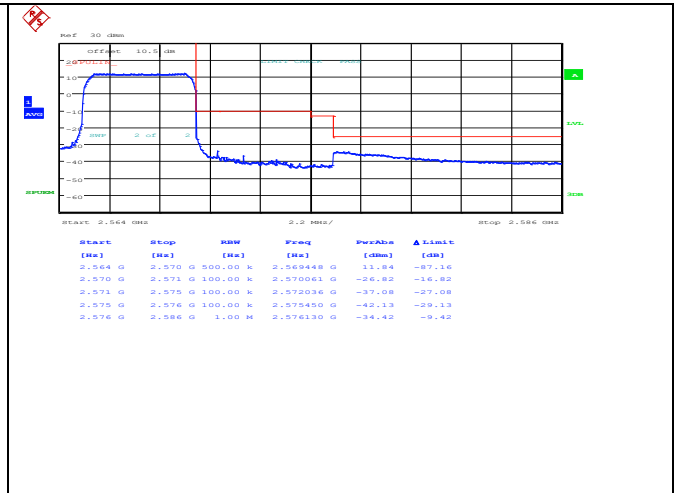


Fig.8

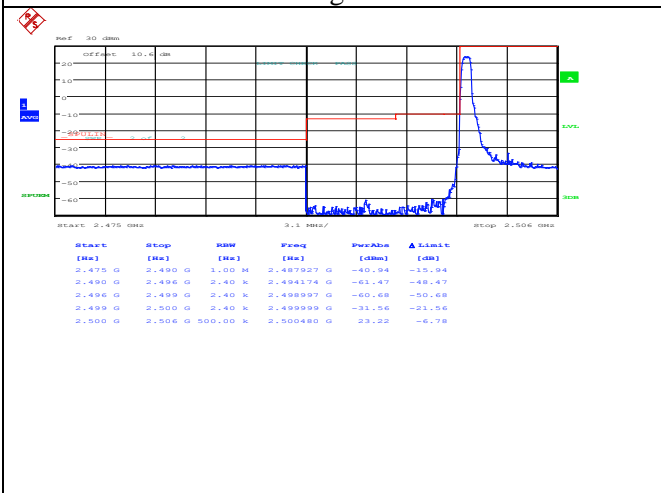


Fig.9

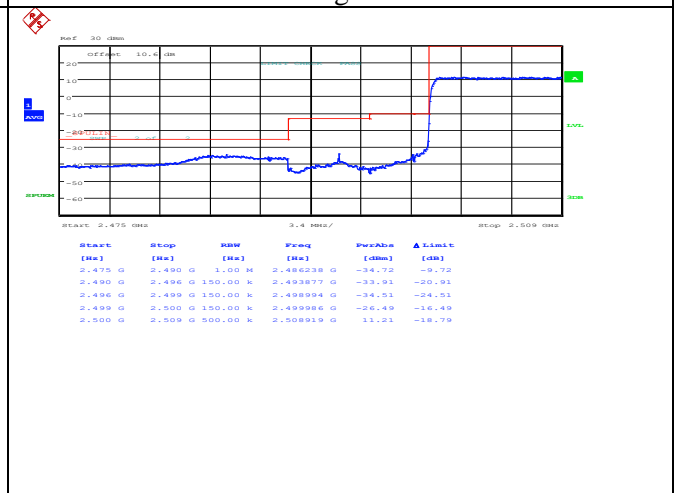


Fig.10

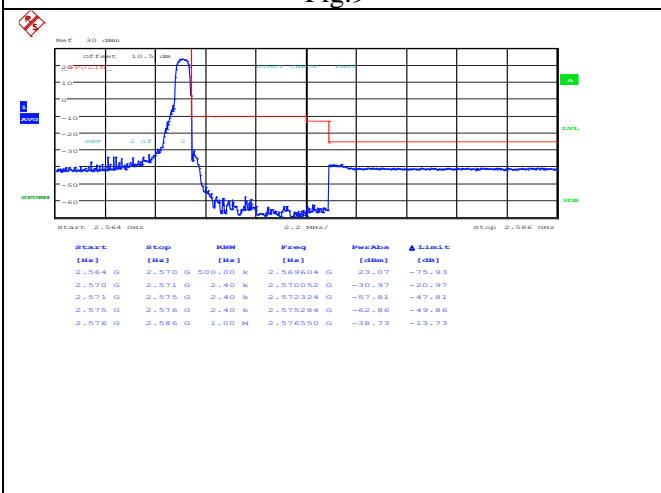


Fig.11

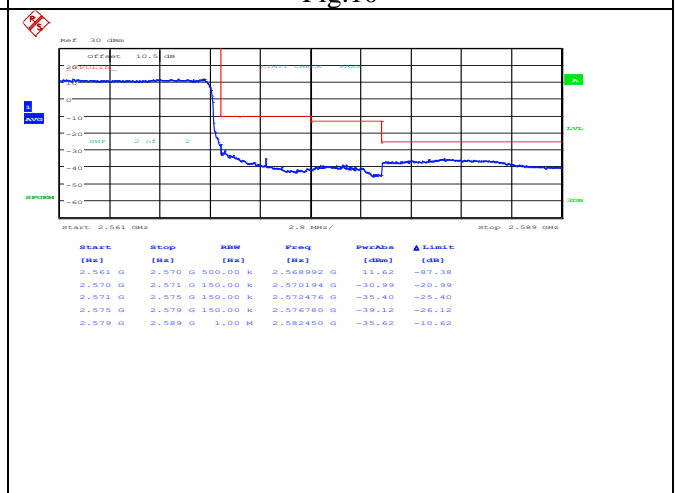


Fig.12

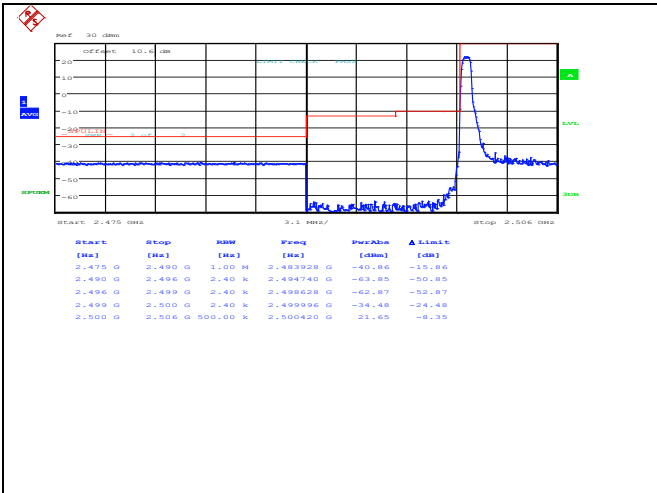


Fig.13

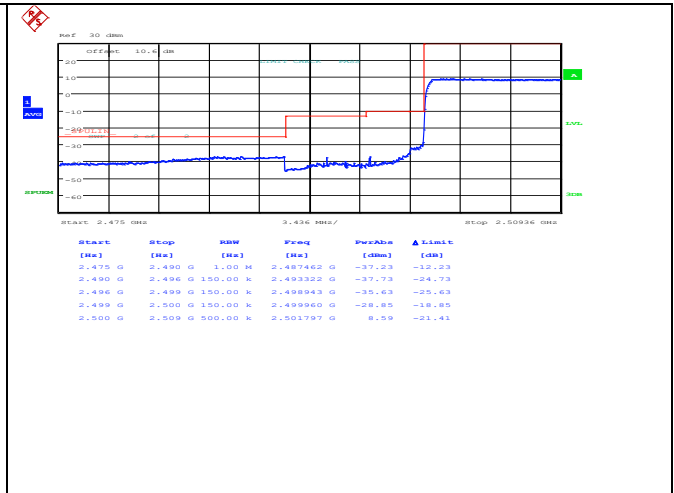


Fig.14

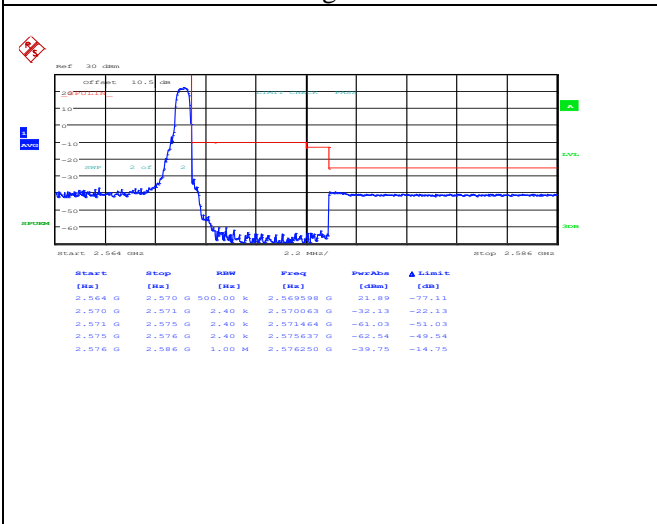


Fig.15

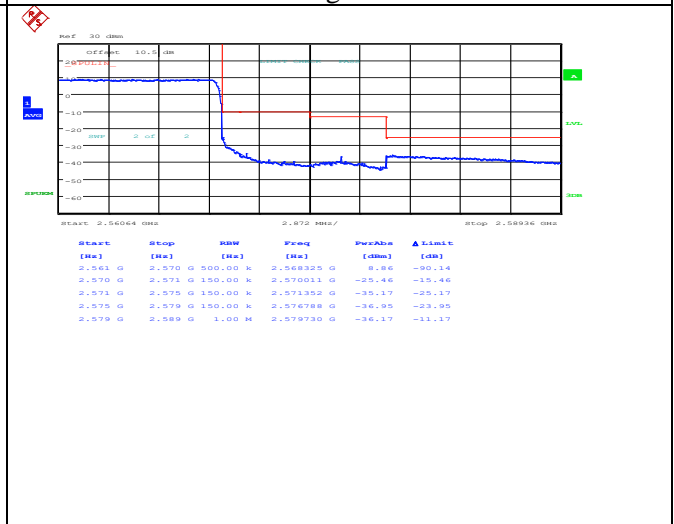


Fig.16

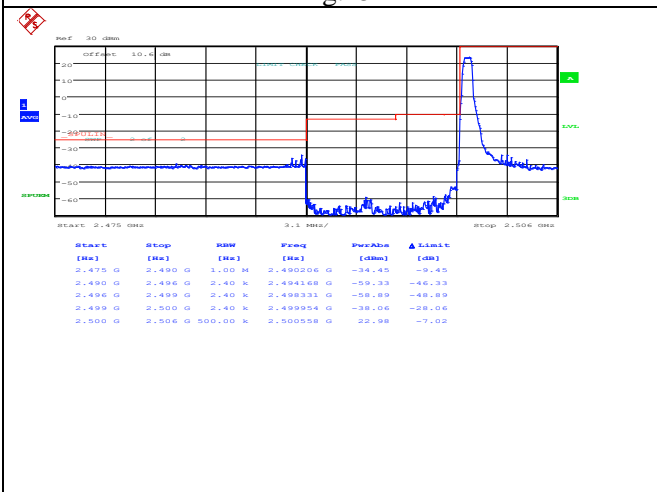


Fig.17

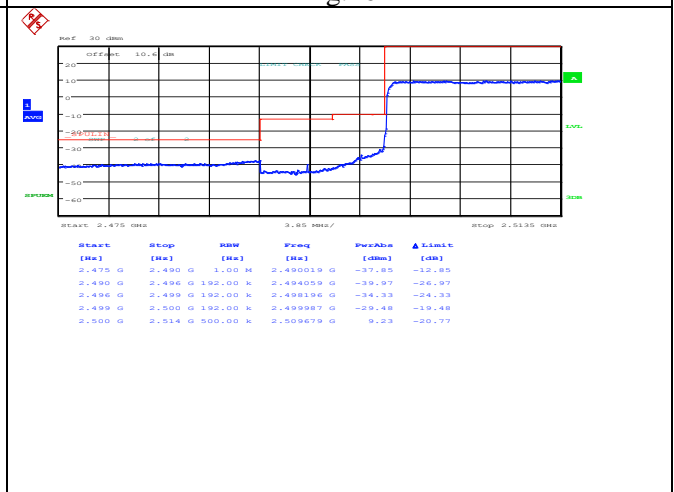


Fig.18

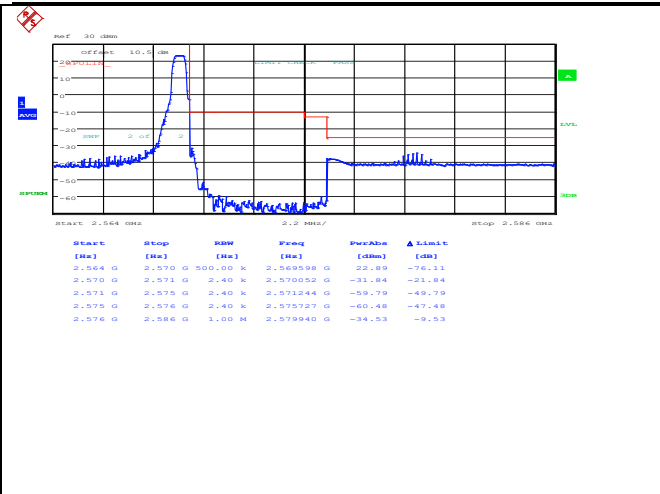


Fig.19

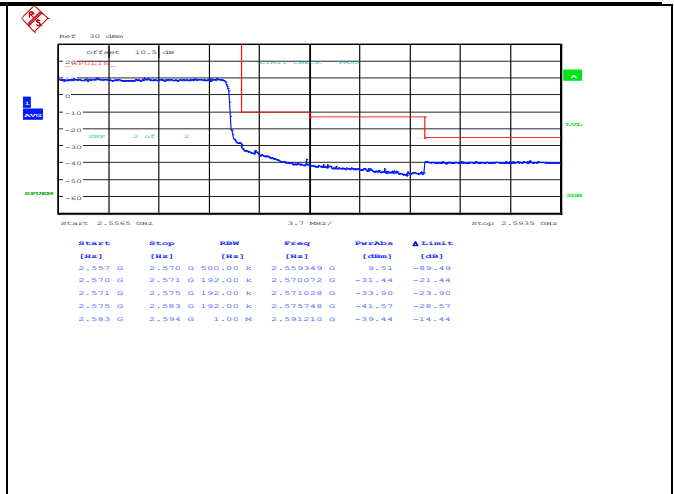


Fig.20

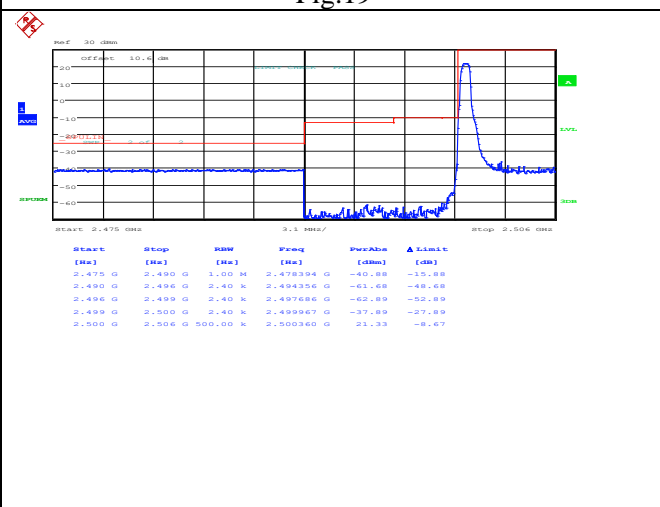


Fig.21

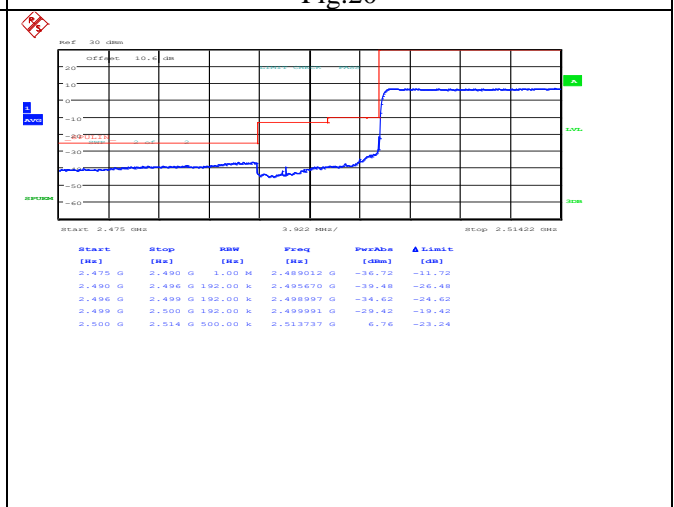


Fig.22

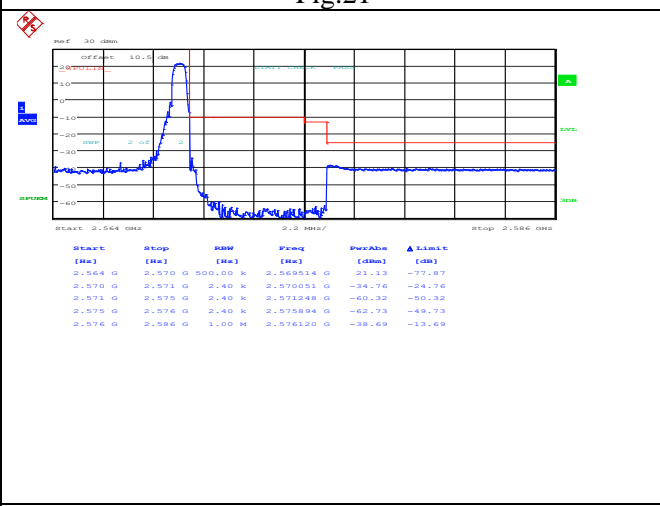


Fig.23

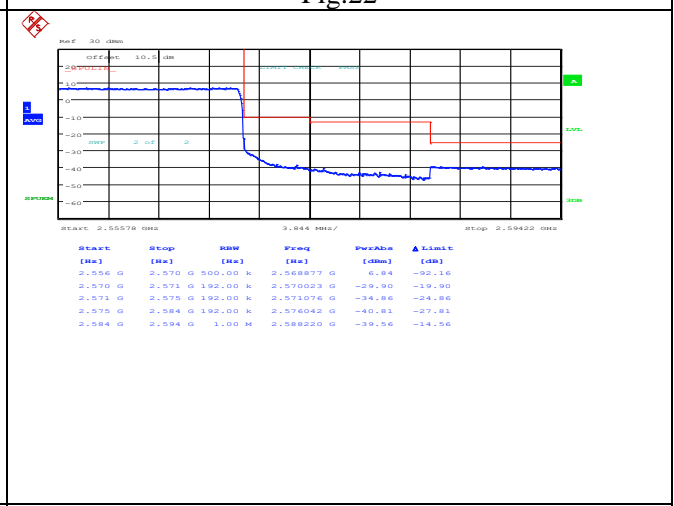


Fig.24

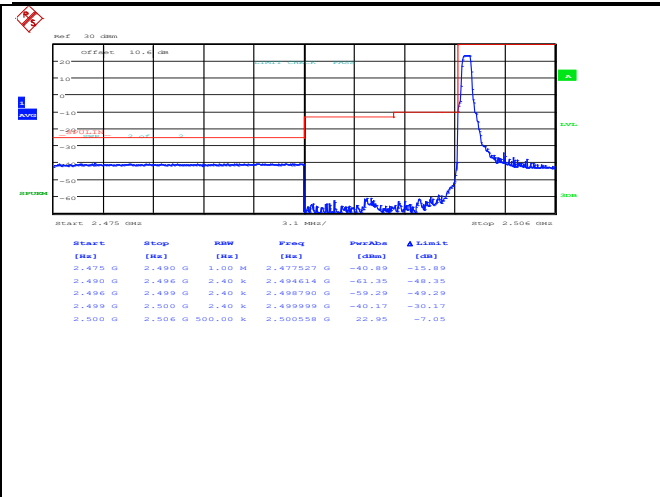


Fig.25

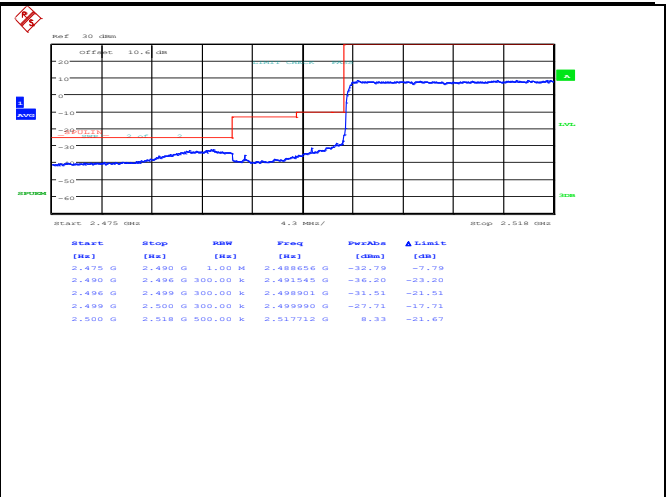


Fig.26

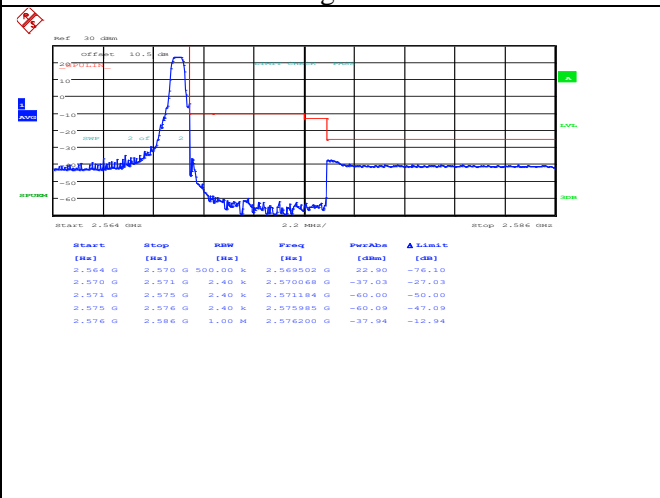


Fig.27

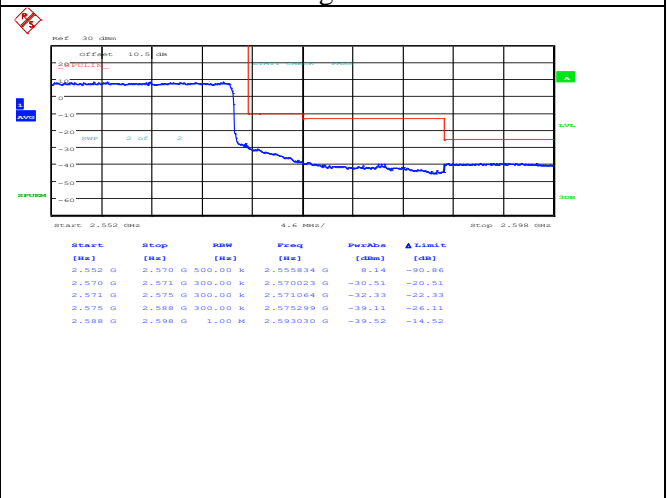


Fig.28

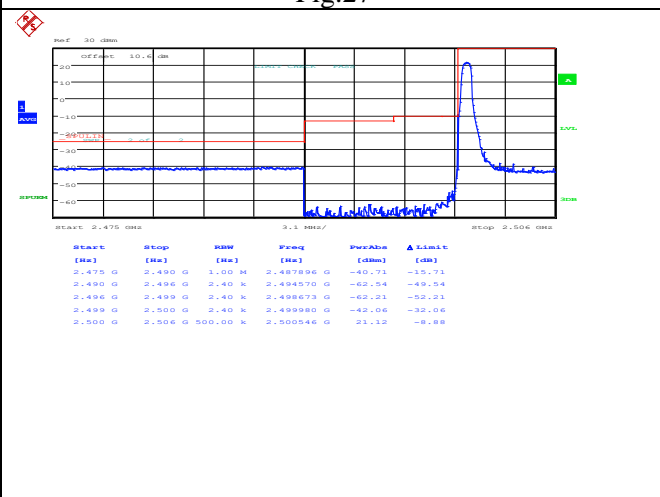


Fig.29

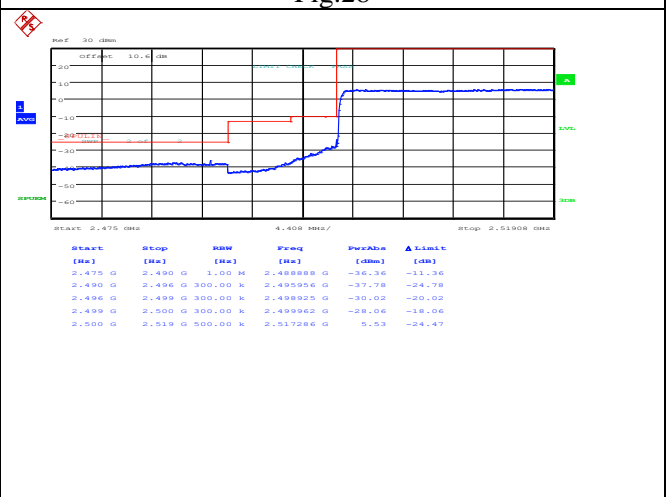


Fig.30

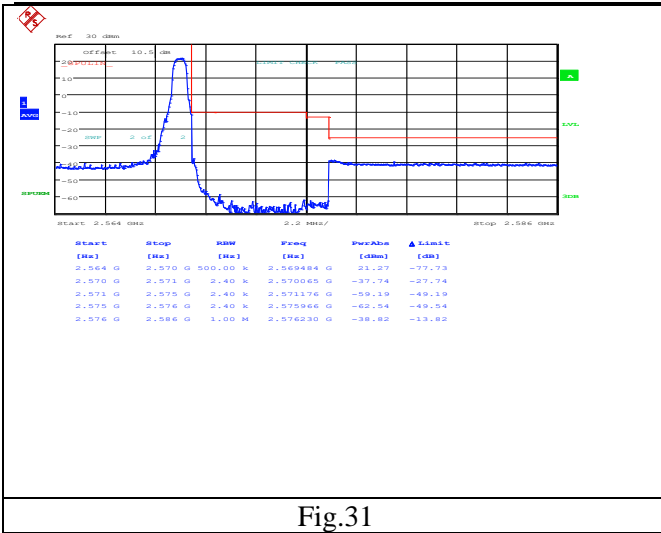


Fig.31

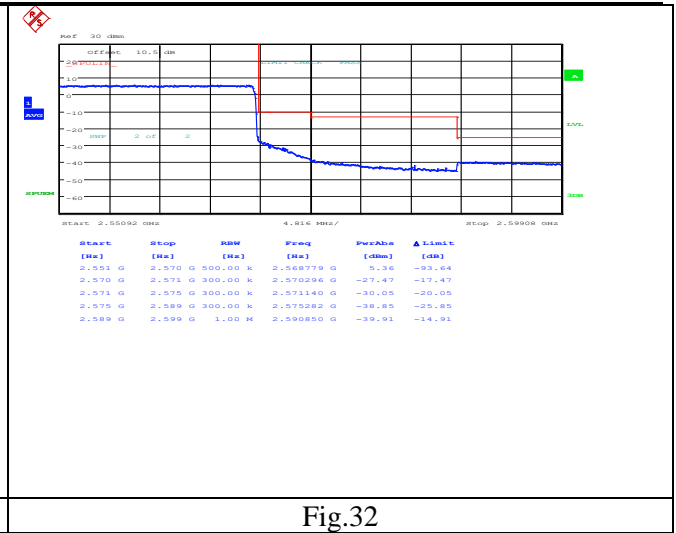


Fig.32

6 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) N7 Low Channel DFT-PI2BPSK			
		5M	10M	15M	20M
-30	NV	---	---	---	0.00
-20	NV	---	---	---	0.00
-10	NV	---	---	---	0.00
0	NV	---	---	---	0.00
+10	NV	---	---	---	0.00
+20	NV	---	---	---	0.00
+30	NV	---	---	---	0.00
+40	NV	---	---	---	0.00
+50	NV	---	---	---	0.00
+20	LV	---	---	---	0.00
+20	HV	---	---	---	0.00

Temperature(°C)	Voltage	Test Result (ppm) N7 High Channel DFT-PI2BPSK			
		5M	10M	15M	20M
-30	NV	---	---	---	0.00
-20	NV	---	---	---	0.00
-10	NV	---	---	---	0.00
0	NV	---	---	---	0.00
+10	NV	---	---	---	0.00
+20	NV	---	---	---	0.00
+30	NV	---	---	---	0.01
+40	NV	---	---	---	0.00
+50	NV	---	---	---	0.00
+20	LV	---	---	---	0.00
+20	HV	---	---	---	0.00

7 Effective Radiated Power and Effective Isotropic Radiated Power

Modulation	Carrier frequency (MHz)	UL Channel	BW	SCS	RB Config	Conducted power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
DFT-PI2BPSK	2502.5	500500	5	15kHz	Inner_1RB_Left	23.81	21.81	0.152
					Inner_1RB_Right	23.76	21.76	0.150
					Inner_Full	23.79	21.79	0.151
	2535	507000			Inner_1RB_Left	23.53	21.53	0.142
					Inner_1RB_Right	23.56	21.56	0.143
					Inner_Full	23.53	21.53	0.142
	2567.5	513500			Inner_1RB_Left	23.54	21.54	0.143
					Inner_1RB_Right	23.67	21.67	0.147
					Inner_Full	23.68	21.68	0.147
DFT-QPSK	2502.5	500500	5	15kHz	Inner_1RB_Left	23.71	21.71	0.148
					Inner_1RB_Right	23.83	21.83	0.152
					Inner_Full	23.76	21.76	0.150
	2535	507000			Inner_1RB_Left	23.66	21.66	0.147
					Inner_1RB_Right	23.47	21.47	0.140
					Inner_Full	23.40	21.4	0.138
	2567.5	513500			Inner_1RB_Left	23.67	21.67	0.147
					Inner_1RB_Right	23.72	21.72	0.149
					Inner_Full	23.76	21.76	0.150
DFT-16QAM	2502.5	500500	5	15kHz	Inner_1RB_Left	22.84	20.84	0.121
					Inner_1RB_Right	22.86	20.86	0.122
					Inner_Full	22.73	20.73	0.118
	2535	507000			Inner_1RB_Left	22.60	20.6	0.115
					Inner_1RB_Right	22.62	20.62	0.115
					Inner_Full	22.53	20.53	0.113
	2567.5	513500			Inner_1RB_Left	22.80	20.8	0.120
					Inner_1RB_Right	22.81	20.81	0.121
					Inner_Full	22.79	20.79	0.120
DFT-64QAM	2502.5	500500	5	15kHz	Inner_1RB_Left	20.97	18.97	0.079
					Inner_1RB_Right	21.02	19.02	0.080
					Inner_Full	21.25	19.25	0.084
	2535	507000			Inner_1RB_Left	20.78	18.78	0.076
					Inner_1RB_Right	20.77	18.77	0.075
					Inner_Full	20.99	18.99	0.079
	2567.5	513500			Inner_1RB_Left	20.98	18.98	0.079
					Inner_1RB_Right	21.01	19.01	0.080
					Inner_Full	21.24	19.24	0.084
DFT-256QAM	2502.5	500500	5	15kHz	Inner_1RB_Left	19.10	17.1	0.051
					Inner_1RB_Right	19.18	17.18	0.052
					Inner_Full	21.02	19.02	0.080
	2535	507000			Inner_1RB_Left	18.86	16.86	0.049
					Inner_1RB_Right	18.89	16.89	0.049
					Inner_Full	20.70	18.7	0.074
	2567.5	513500			Inner_1RB_Left	19.02	17.02	0.050
					Inner_1RB_Right	19.11	17.11	0.051
					Inner_Full	20.98	18.98	0.079

Modulation	Carrier frequency (MHz)	UL Channel	BW	SCS	RB Config	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
CP-QPSK	2502.5	500500	5	15kHz	Inner_1RB_Left	20.22	18.22	0.066
					Inner_1RB_Right	22.20	20.2	0.105
					Inner_Full	17.27	15.27	0.034
	2535	507000			Inner_1RB_Left	22.02	20.02	0.100
					Inner_1RB_Right	22.03	20.03	0.101
					Inner_Full	21.92	19.92	0.098
	2567.5	513500			Inner_1RB_Left	22.15	20.15	0.104
					Inner_1RB_Right	21.97	19.97	0.099
					Inner_Full	22.07	20.07	0.102
CP-16QAM	2502.5	500500	5	15kHz	Inner_1RB_Left	21.93	19.93	0.098
					Inner_1RB_Right	21.71	19.71	0.094
					Inner_Full	21.88	19.88	0.097
	2535	507000			Inner_1RB_Left	21.69	19.69	0.093
					Inner_1RB_Right	21.78	19.78	0.095
					Inner_Full	21.67	19.67	0.093
	2567.5	513500			Inner_1RB_Left	21.87	19.87	0.097
					Inner_1RB_Right	21.95	19.95	0.099
					Inner_Full	21.84	19.84	0.096
CP-64QAM	2502.5	500500	5	15kHz	Inner_1RB_Left	19.93	17.93	0.062
					Inner_1RB_Right	19.78	17.78	0.060
					Inner_Full	20.25	18.25	0.067
	2535	507000			Inner_1RB_Left	19.76	17.76	0.060
					Inner_1RB_Right	19.55	17.55	0.057
					Inner_Full	20.13	18.13	0.065
	2567.5	513500			Inner_1RB_Left	19.94	17.94	0.062
					Inner_1RB_Right	19.91	17.91	0.062
					Inner_Full	20.24	18.24	0.067
CP-256QAM	2502.5	500500	5	15kHz	Inner_1RB_Left	17.03	15.03	0.032
					Inner_1RB_Right	17.12	15.12	0.033
					Inner_Full	19.87	17.87	0.061
	2535	507000			Inner_1RB_Left	16.85	14.85	0.031
					Inner_1RB_Right	16.86	14.86	0.031
					Inner_Full	19.62	17.62	0.058
	2567.5	513500			Inner_1RB_Left	16.98	14.98	0.031
					Inner_1RB_Right	17.09	15.09	0.032
					Inner_Full	19.91	17.91	0.062

Modulation	Carrier frequency (MHz)	UL Channel	BW	SCS	RB Config	Conducted power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
DFT-PI2BPSK	2505	501000	10	15kHz	Inner_1RB_Left	23.39	21.39	0.138
					Inner_1RB_Right	23.60	21.6	0.145
					Inner_Full	23.10	21.1	0.129
	2535	507000			Inner_1RB_Left	23.17	21.17	0.131
					Inner_1RB_Right	23.53	21.53	0.142
					Inner_Full	23.51	21.51	0.142
	2565	513000			Inner_1RB_Left	23.18	21.18	0.131
					Inner_1RB_Right	23.56	21.56	0.143
					Inner_Full	23.59	21.59	0.144
DFT-QPSK	2505	501000	Inner_1RB_Left	23.44	21.44	0.139		
			Inner_1RB_Right	23.60	21.6	0.145		
			Inner_Full	23.57	21.57	0.144		
	2535	507000	Inner_1RB_Left	23.37	21.37	0.137		
			Inner_1RB_Right	23.43	21.43	0.139		
			Inner_Full	23.47	21.47	0.140		
	2565	513000	Inner_1RB_Left	22.78	20.78	0.120		
			Inner_1RB_Right	23.62	21.62	0.145		
			Inner_Full	23.64	21.64	0.146		
DFT-16QAM	2505	501000	Inner_1RB_Left	22.77	20.77	0.119		
			Inner_1RB_Right	22.83	20.83	0.121		
			Inner_Full	22.33	20.33	0.108		
	2535	507000	Inner_1RB_Left	22.70	20.7	0.117		
			Inner_1RB_Right	22.80	20.8	0.120		
			Inner_Full	22.45	20.45	0.111		
	2565	513000	Inner_1RB_Left	22.68	20.68	0.117		
			Inner_1RB_Right	22.77	20.77	0.119		
			Inner_Full	22.59	20.59	0.115		
DFT-64QAM	2505	501000	Inner_1RB_Left	20.87	18.87	0.077		
			Inner_1RB_Right	20.79	18.79	0.076		
			Inner_Full	21.16	19.16	0.082		
	2535	507000	Inner_1RB_Left	20.72	18.72	0.074		
			Inner_1RB_Right	20.76	18.76	0.075		
			Inner_Full	21.11	19.11	0.081		
	2565	513000	Inner_1RB_Left	20.80	18.8	0.076		
			Inner_1RB_Right	20.94	18.94	0.078		
			Inner_Full	21.13	19.13	0.082		
DFT-256QAM	2505	501000	Inner_1RB_Left	18.95	16.95	0.050		
			Inner_1RB_Right	19.00	17	0.050		
			Inner_Full	20.82	18.82	0.076		
	2535	507000	Inner_1RB_Left	18.93	16.93	0.049		
			Inner_1RB_Right	18.90	16.9	0.049		
			Inner_Full	20.75	18.75	0.075		
	2565	513000	Inner_1RB_Left	18.89	16.89	0.049		
			Inner_1RB_Right	18.96	16.96	0.050		
			Inner_Full	20.76	18.76	0.075		

Modulation	Carrier frequency (MHz)	UL Channel	BW	SCS	RB Config	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
CP-QPSK	2505	501000	10	15kHz	Inner_1RB_Left	22.10	20.1	0.102
					Inner_1RB_Right	22.15	20.15	0.104
					Inner_Full	22.18	20.18	0.104
	2535	507000			Inner_1RB_Left	22.03	20.03	0.101
					Inner_1RB_Right	22.02	20.02	0.100
					Inner_Full	22.01	20.01	0.100
	2565	513000			Inner_1RB_Left	22.06	20.06	0.101
					Inner_1RB_Right	22.13	20.13	0.103
					Inner_Full	22.14	20.14	0.103
CP-16QAM	2505	501000	10	15kHz	Inner_1RB_Left	21.72	19.72	0.094
					Inner_1RB_Right	21.80	19.8	0.095
					Inner_Full	21.66	19.66	0.092
	2535	507000			Inner_1RB_Left	21.62	19.62	0.092
					Inner_1RB_Right	21.69	19.69	0.093
					Inner_Full	21.51	19.51	0.089
	2565	513000			Inner_1RB_Left	21.81	19.81	0.096
					Inner_1RB_Right	21.79	19.79	0.095
					Inner_Full	21.60	19.6	0.091
CP-64QAM	2505	501000	10	15kHz	Inner_1RB_Left	19.79	17.79	0.060
					Inner_1RB_Right	19.90	17.9	0.062
					Inner_Full	20.14	18.14	0.065
	2535	507000			Inner_1RB_Left	19.72	17.72	0.059
					Inner_1RB_Right	19.72	17.72	0.059
					Inner_Full	20.00	18	0.063
	2565	513000			Inner_1RB_Left	19.74	17.74	0.059
					Inner_1RB_Right	19.85	17.85	0.061
					Inner_Full	20.14	18.14	0.065
CP-256QAM	2505	501000	10	15kHz	Inner_1RB_Left	16.94	14.94	0.031
					Inner_1RB_Right	17.01	15.01	0.032
					Inner_Full	19.82	17.82	0.061
	2535	507000			Inner_1RB_Left	16.94	14.94	0.031
					Inner_1RB_Right	16.85	14.85	0.031
					Inner_Full	19.64	17.64	0.058
	2565	513000			Inner_1RB_Left	16.83	14.83	0.030
					Inner_1RB_Right	17.02	15.02	0.032
					Inner_Full	19.73	17.73	0.059

Modulation	Carrier frequency (MHz)	UL Channel	BW	SCS	RB Config	Conducted power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
DFT-PI2BPSK	2507.5	501500	15	15kHz	Inner_1RB_Left	23.30	21.3	0.135
					Inner_1RB_Right	23.27	21.27	0.134
					Inner_Full	23.40	21.4	0.138
	2535	507000			Inner_1RB_Left	23.20	21.2	0.132
					Inner_1RB_Right	23.25	21.25	0.133
					Inner_Full	23.36	21.36	0.137
	2562.5	512500			Inner_1RB_Left	23.44	21.44	0.139
					Inner_1RB_Right	23.60	21.6	0.145
					Inner_Full	23.68	21.68	0.147
DFT-QPSK	2507.5	501500	15	15kHz	Inner_1RB_Left	23.46	21.46	0.140
					Inner_1RB_Right	23.45	21.45	0.140
					Inner_Full	23.41	21.41	0.138
	2535	507000			Inner_1RB_Left	23.31	21.31	0.135
					Inner_1RB_Right	23.40	21.4	0.138
					Inner_Full	23.39	21.39	0.138
	2562.5	512500			Inner_1RB_Left	23.46	21.46	0.140
					Inner_1RB_Right	23.68	21.68	0.147
					Inner_Full	23.68	21.68	0.147
DFT-16QAM	2507.5	501500	15	15kHz	Inner_1RB_Left	22.61	20.61	0.115
					Inner_1RB_Right	22.49	20.49	0.112
					Inner_Full	22.44	20.44	0.111
	2535	507000			Inner_1RB_Left	22.41	20.41	0.110
					Inner_1RB_Right	22.53	20.53	0.113
					Inner_Full	22.43	20.43	0.110
	2562.5	512500			Inner_1RB_Left	22.39	20.39	0.109
					Inner_1RB_Right	22.68	20.68	0.117
					Inner_Full	22.63	20.63	0.116
DFT-64QAM	2507.5	501500	15	15kHz	Inner_1RB_Left	20.74	18.74	0.075
					Inner_1RB_Right	20.73	18.73	0.075
					Inner_Full	21.00	19	0.079
	2535	507000			Inner_1RB_Left	20.56	18.56	0.072
					Inner_1RB_Right	20.67	18.67	0.074
					Inner_Full	20.84	18.84	0.077
	2562.5	512500			Inner_1RB_Left	20.86	18.86	0.077
					Inner_1RB_Right	20.93	18.93	0.078
					Inner_Full	21.00	19	0.079
DFT-256QAM	2507.5	501500	15	15kHz	Inner_1RB_Left	18.84	16.84	0.048
					Inner_1RB_Right	18.96	16.96	0.050
					Inner_Full	20.60	18.6	0.072
	2535	507000			Inner_1RB_Left	18.74	16.74	0.047
					Inner_1RB_Right	18.89	16.89	0.049
					Inner_Full	20.61	18.61	0.073
	2562.5	512500			Inner_1RB_Left	19.01	17.01	0.050
					Inner_1RB_Right	19.12	17.12	0.052
					Inner_Full	20.90	18.9	0.078

Modulation	Carrier frequency (MHz)	UL Channel	BW	SCS	RB Config	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
CP-QPSK	2507.5	501500	15	15kHz	Inner_1RB_Left	21.94	19.94	0.099
					Inner_1RB_Right	21.84	19.84	0.096
					Inner_Full	21.96	19.96	0.099
	2535	507000			Inner_1RB_Left	21.85	19.85	0.097
					Inner_1RB_Right	21.87	19.87	0.097
					Inner_Full	21.88	19.88	0.097
	2562.5	512500			Inner_1RB_Left	22.13	20.13	0.103
					Inner_1RB_Right	22.11	20.11	0.103
					Inner_Full	22.17	20.17	0.104
CP-16QAM	2507.5	501500	15	15kHz	Inner_1RB_Left	21.63	19.63	0.092
					Inner_1RB_Right	21.60	19.6	0.091
					Inner_Full	21.45	19.45	0.088
	2535	507000			Inner_1RB_Left	21.55	19.55	0.090
					Inner_1RB_Right	21.65	19.65	0.092
					Inner_Full	21.10	19.1	0.081
	2562.5	512500			Inner_1RB_Left	21.79	19.79	0.095
					Inner_1RB_Right	21.78	19.78	0.095
					Inner_Full	21.64	19.64	0.092
CP-64QAM	2507.5	501500	15	15kHz	Inner_1RB_Left	19.67	17.67	0.058
					Inner_1RB_Right	19.62	17.62	0.058
					Inner_Full	20.05	18.05	0.064
	2535	507000			Inner_1RB_Left	19.54	17.54	0.057
					Inner_1RB_Right	19.62	17.62	0.058
					Inner_Full	19.95	17.95	0.062
	2562.5	512500			Inner_1RB_Left	19.79	17.79	0.060
					Inner_1RB_Right	19.78	17.78	0.060
					Inner_Full	20.19	18.19	0.066
CP-256QAM	2507.5	501500	15	15kHz	Inner_1RB_Left	16.84	14.84	0.030
					Inner_1RB_Right	16.88	14.88	0.031
					Inner_Full	19.42	17.42	0.055
	2535	507000			Inner_1RB_Left	16.73	14.73	0.030
					Inner_1RB_Right	16.82	14.82	0.030
					Inner_Full	19.45	17.45	0.056
	2562.5	512500			Inner_1RB_Left	17.01	15.01	0.032
					Inner_1RB_Right	17.04	15.04	0.032
					Inner_Full	19.43	17.43	0.055

Modulation	Carrier frequency (MHz)	UL Channel	BW	SCS	RB Config	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
DFT-PI2BPSK	2510	502000	20	15kHz	Inner_1RB_Left	22.96	20.96	0.125
					Inner_1RB_Right	23.28	21.28	0.134
					Inner_Full	23.41	21.41	0.138
	2535	507000			Inner_1RB_Left	23.17	21.17	0.131
					Inner_1RB_Right	23.29	21.29	0.135
					Inner_Full	23.36	21.36	0.137
	2560	512000			Inner_1RB_Left	23.36	21.36	0.137
					Inner_1RB_Right	23.60	21.6	0.145
					Inner_Full	23.61	21.61	0.145
DFT-QPSK	2510	502000	20	15kHz	Inner_1RB_Left	23.46	21.46	0.140
					Inner_1RB_Right	23.30	21.3	0.135
					Inner_Full	23.48	21.48	0.141
	2535	507000			Inner_1RB_Left	23.20	21.2	0.132
					Inner_1RB_Right	23.30	21.3	0.135
					Inner_Full	23.29	21.29	0.135
	2560	512000			Inner_1RB_Left	23.50	21.5	0.141
					Inner_1RB_Right	23.63	21.63	0.146
					Inner_Full	23.57	21.57	0.144
DFT-16QAM	2510	502000	20	15kHz	Inner_1RB_Left	22.51	20.51	0.112
					Inner_1RB_Right	22.54	20.54	0.113
					Inner_Full	22.56	20.56	0.114
	2535	507000			Inner_1RB_Left	22.50	20.5	0.112
					Inner_1RB_Right	22.37	20.37	0.109
					Inner_Full	22.11	20.11	0.103
	2560	512000			Inner_1RB_Left	22.62	20.62	0.115
					Inner_1RB_Right	22.70	20.7	0.117
					Inner_Full	22.60	20.6	0.115
DFT-64QAM	2510	502000	20	15kHz	Inner_1RB_Left	20.87	18.87	0.077
					Inner_1RB_Right	20.76	18.76	0.075
					Inner_Full	21.07	19.07	0.081
	2535	507000			Inner_1RB_Left	20.36	18.36	0.069
					Inner_1RB_Right	20.89	18.89	0.077
					Inner_Full	20.89	18.89	0.077
	2560	512000			Inner_1RB_Left	21.19	19.19	0.083
					Inner_1RB_Right	21.07	19.07	0.081
					Inner_Full	21.10	19.1	0.081
DFT-256QAM	2510	502000	20	15kHz	Inner_1RB_Left	18.95	16.95	0.050
					Inner_1RB_Right	19.01	17.01	0.050
					Inner_Full	19.48	17.48	0.056
	2535	507000			Inner_1RB_Left	18.74	16.74	0.047
					Inner_1RB_Right	18.90	16.9	0.049
					Inner_Full	19.56	17.56	0.057
	2560	512000			Inner_1RB_Left	18.97	16.97	0.050
					Inner_1RB_Right	19.07	17.07	0.051
					Inner_Full	19.29	17.29	0.054

Modulation	Carrier frequency (MHz)	UL Channel	BW	SCS	RB Config	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
CP-QPSK	2510	502000	20	15kHz	Inner_1RB_Left	22.06	20.06	0.101
					Inner_1RB_Right	21.92	19.92	0.098
					Inner_Full	22.03	20.03	0.101
	2535	507000			Inner_1RB_Left	21.89	19.89	0.097
					Inner_1RB_Right	21.86	19.86	0.097
					Inner_Full	21.89	19.89	0.097
	2560	512000			Inner_1RB_Left	22.12	20.12	0.103
					Inner_1RB_Right	22.00	20	0.100
					Inner_Full	22.10	20.1	0.102
CP-16QAM	2510	502000	20	15kHz	Inner_1RB_Left	21.28	19.28	0.085
					Inner_1RB_Right	21.71	19.71	0.094
					Inner_Full	21.51	19.51	0.089
	2535	507000			Inner_1RB_Left	21.50	19.5	0.089
					Inner_1RB_Right	21.62	19.62	0.092
					Inner_Full	21.38	19.38	0.087
	2560	512000			Inner_1RB_Left	21.72	19.72	0.094
					Inner_1RB_Right	21.73	19.73	0.094
					Inner_Full	21.61	19.61	0.091
CP-64QAM	2510	502000	20	15kHz	Inner_1RB_Left	19.79	17.79	0.060
					Inner_1RB_Right	19.70	17.7	0.059
					Inner_Full	20.15	18.15	0.065
	2535	507000			Inner_1RB_Left	19.50	17.5	0.056
					Inner_1RB_Right	19.62	17.62	0.058
					Inner_Full	19.98	17.98	0.063
	2560	512000			Inner_1RB_Left	19.73	17.73	0.059
					Inner_1RB_Right	19.83	17.83	0.061
					Inner_Full	20.13	18.13	0.065
CP-256QAM	2510	502000	20	15kHz	Inner_1RB_Left	16.95	14.95	0.031
					Inner_1RB_Right	17.01	15.01	0.032
					Inner_Full	19.64	17.64	0.058
	2535	507000			Inner_1RB_Left	16.78	14.78	0.030
					Inner_1RB_Right	16.84	14.84	0.030
					Inner_Full	19.43	17.43	0.055
	2560	512000			Inner_1RB_Left	16.99	14.99	0.032
					Inner_1RB_Right	17.03	15.03	0.032
					Inner_Full	19.79	17.79	0.060

Test on the worst case:

Modulation	Carrier frequency (MHz)	UL Channel	BW	SCS	RB Config	Conducted power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
DFT-PI2BPSK	2622.5	524500	5	15kHz	Inner_1RB_Left	23.6	21.6	0.145
					Inner_1RB_Right	23.66	21.66	0.147
					Inner_Full	23.57	21.57	0.144
	2655	507000			Inner_1RB_Left	23.57	21.57	0.144
					Inner_1RB_Right	23.35	21.35	0.136
					Inner_Full	23.22	21.22	0.132
	2687.5	513500			Inner_1RB_Left	23.45	21.45	0.140
					Inner_1RB_Right	23.57	21.57	0.144
					Inner_Full	23.64	21.64	0.146